

FIG. 2

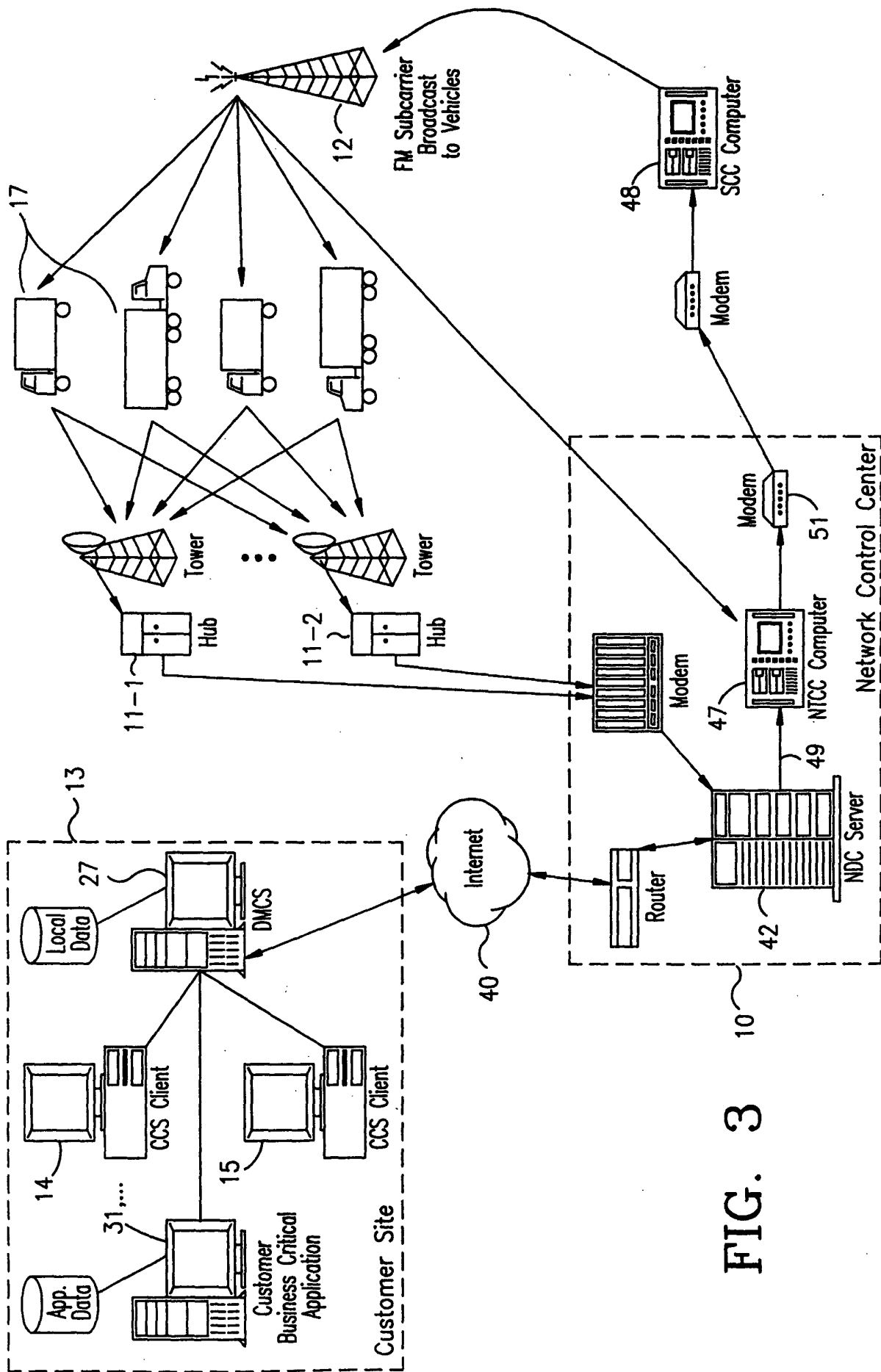


FIG. 3

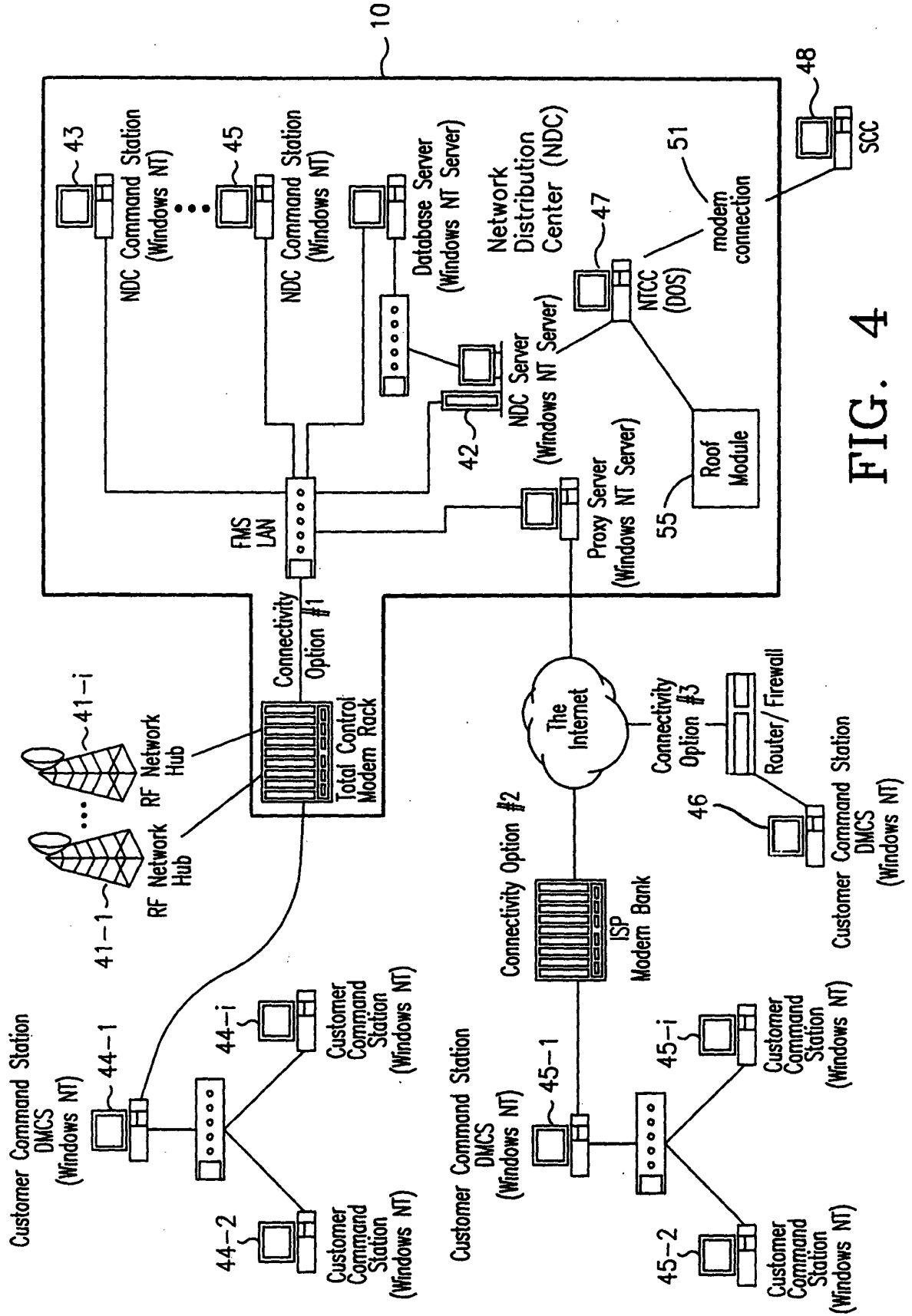


FIG. 4

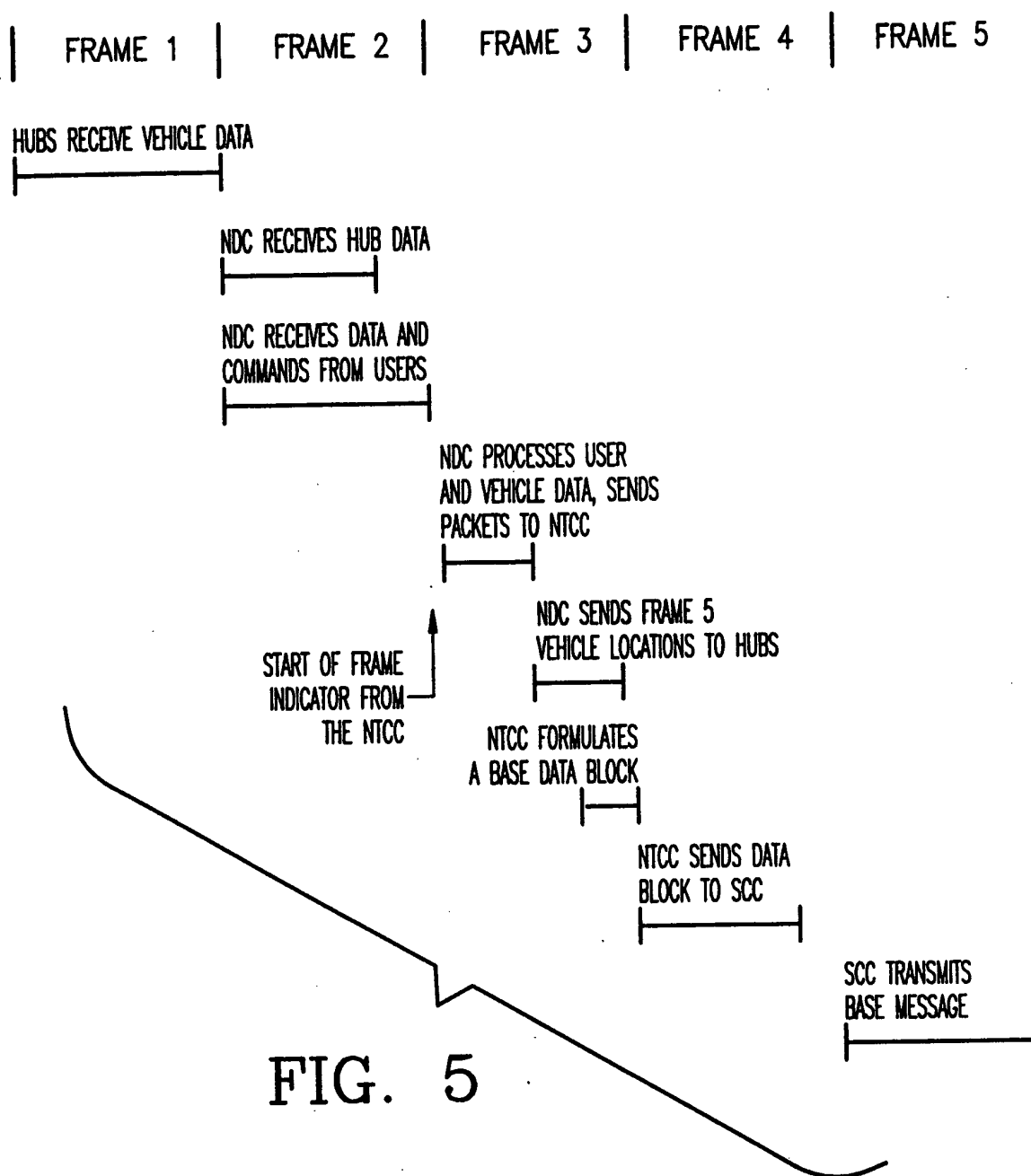
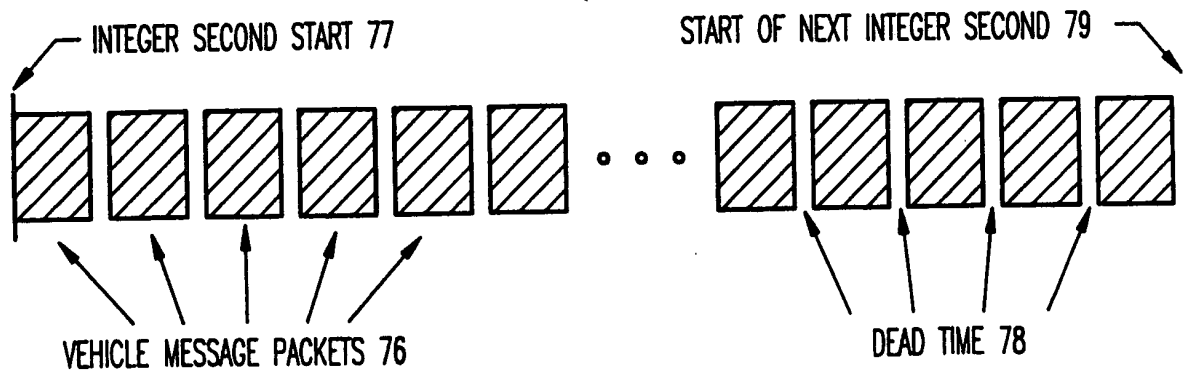
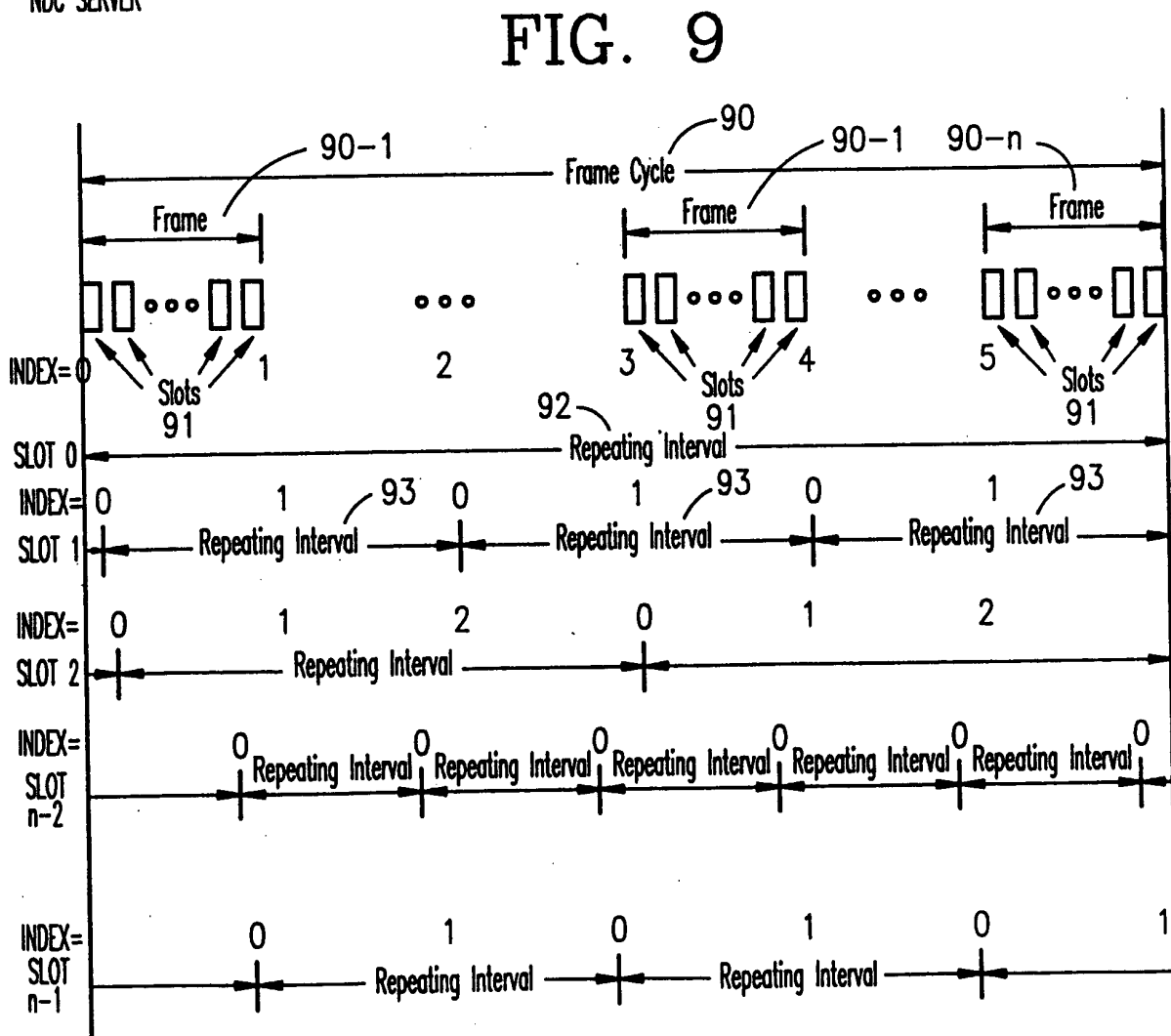
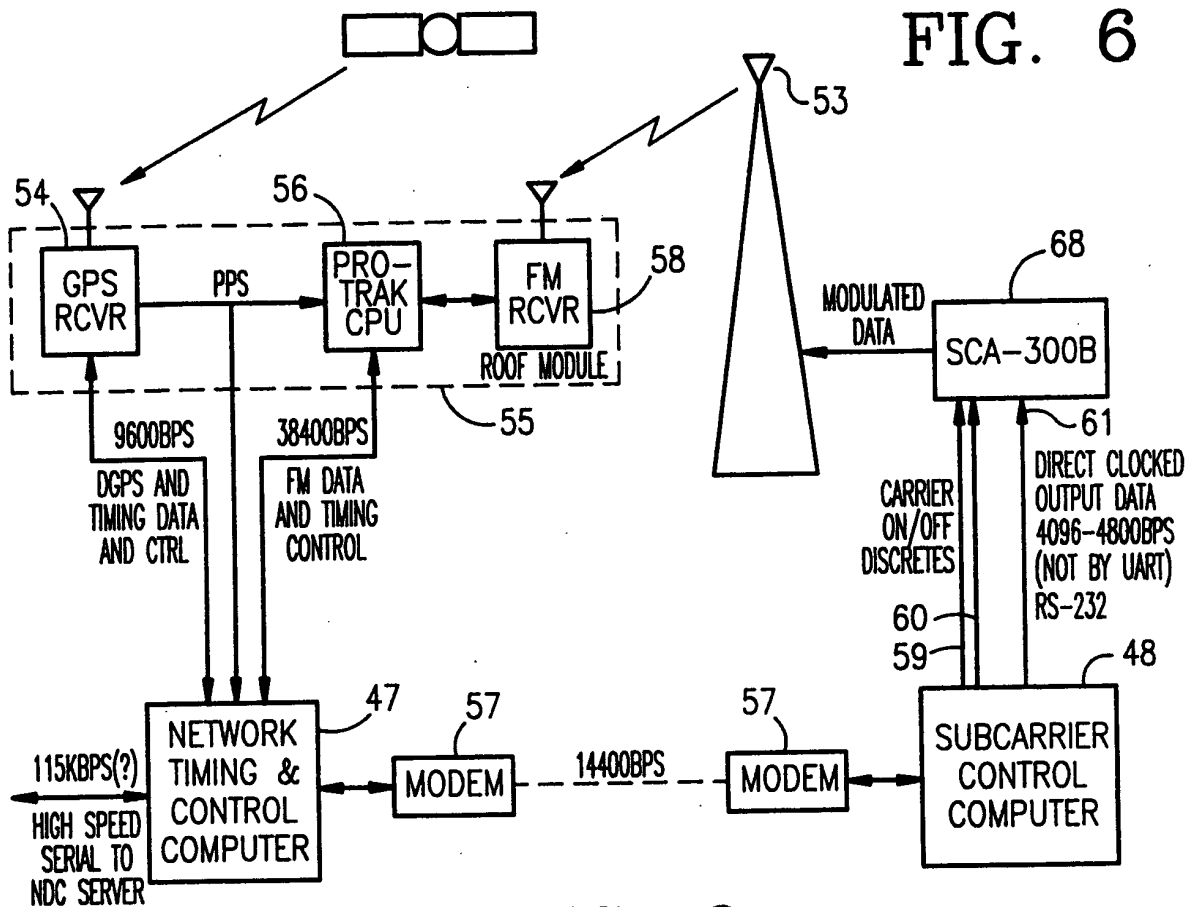


FIG. 8





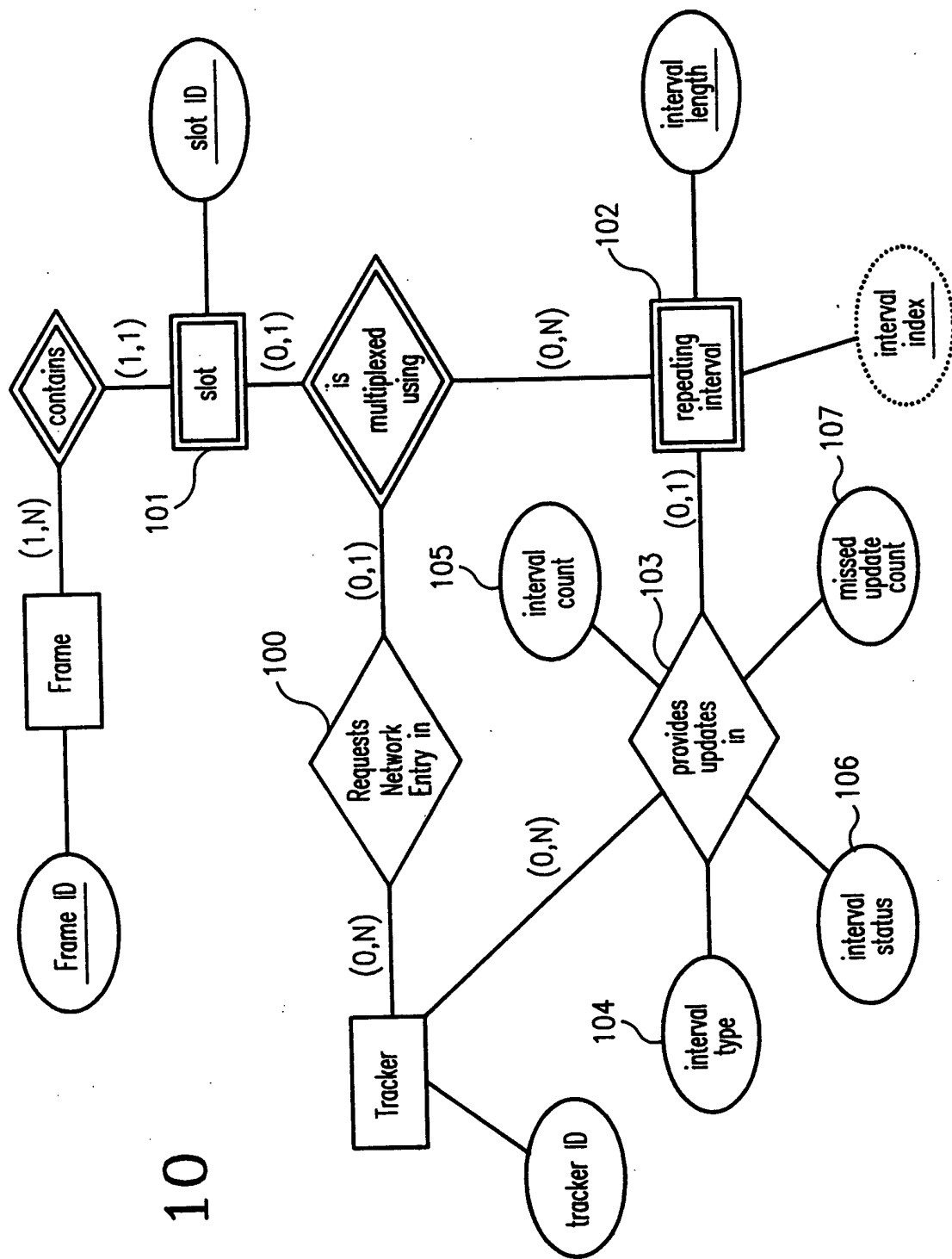


FIG. 10

FIG. 11

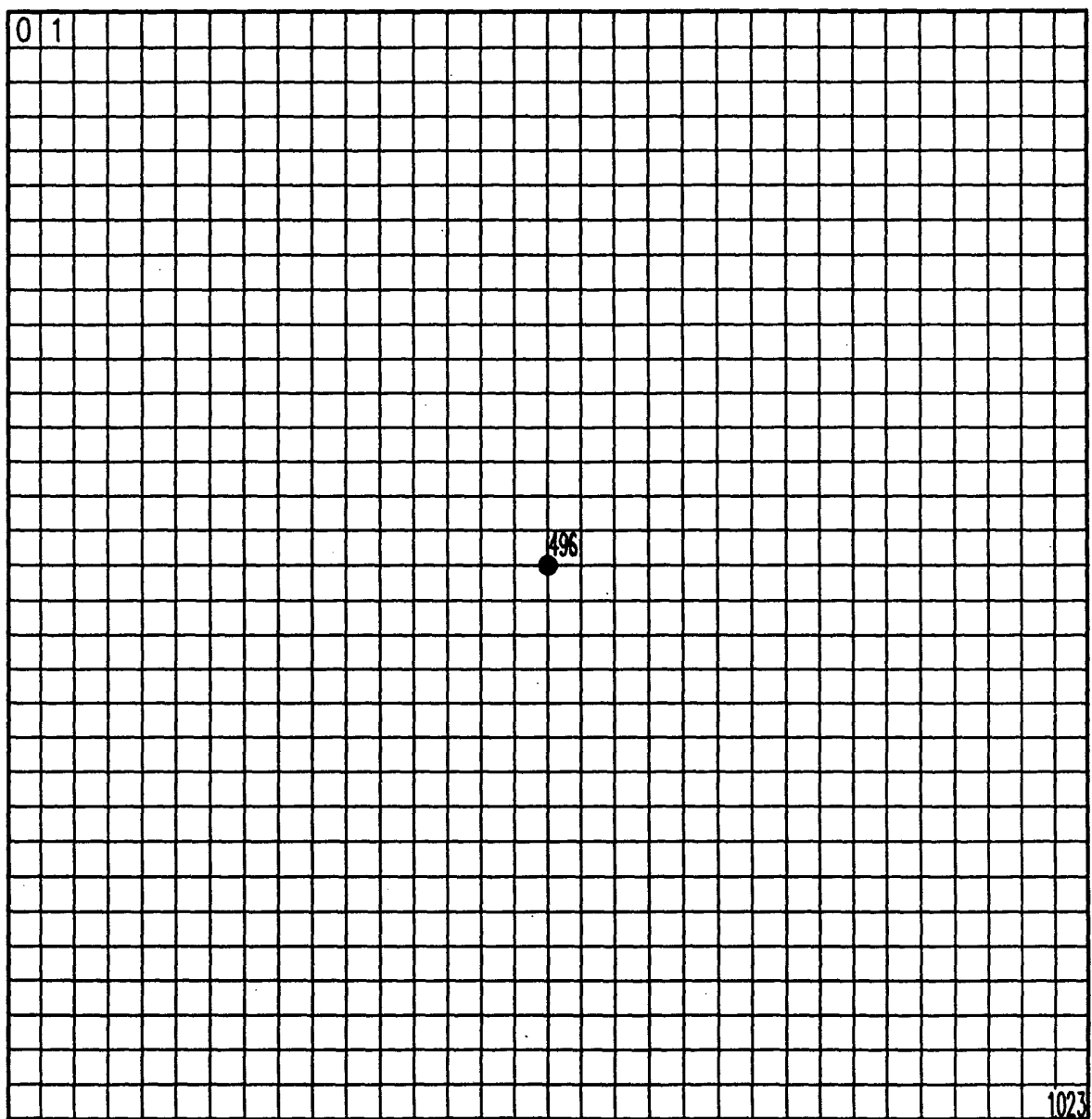


FIG. 12

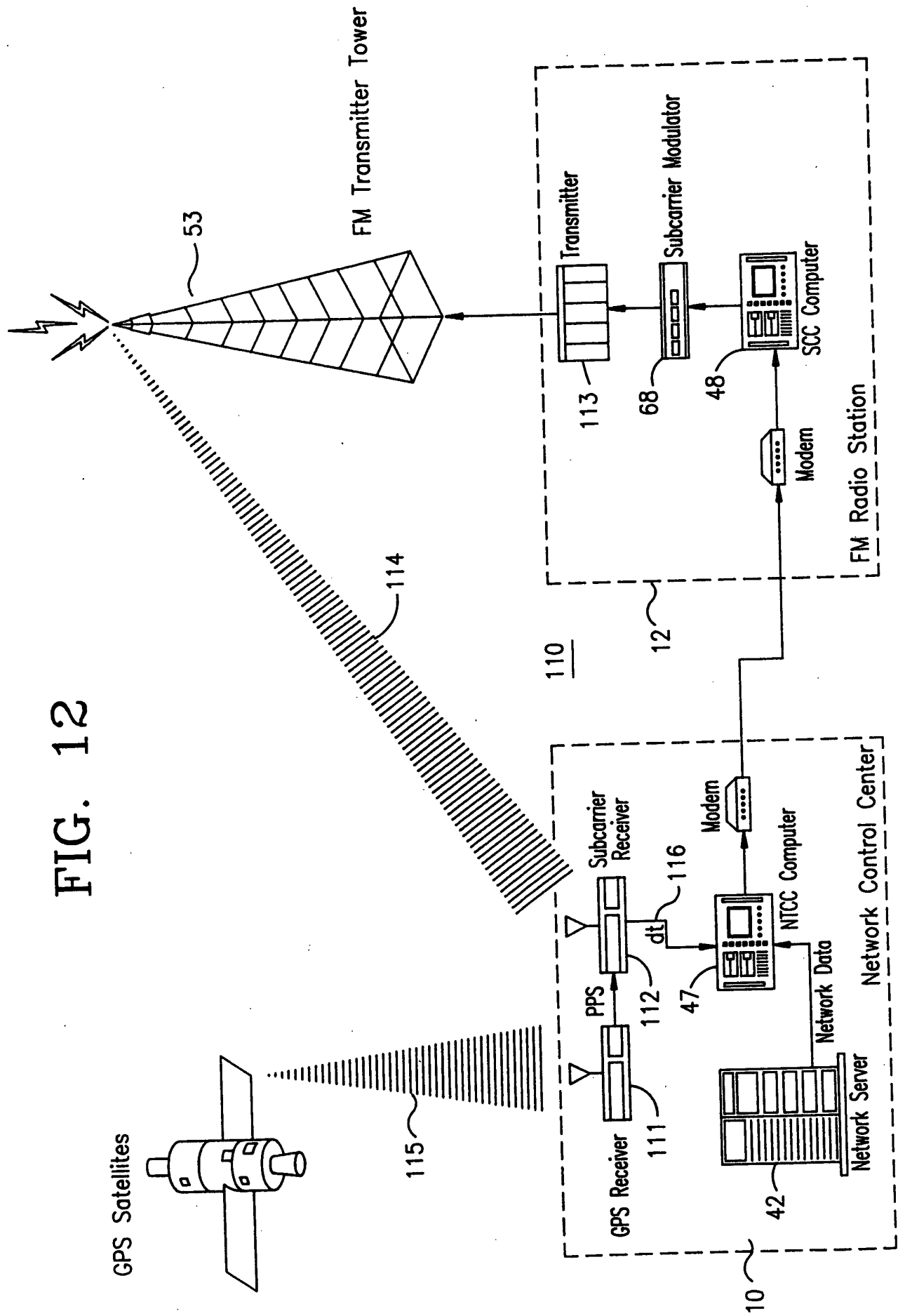


FIG. 13

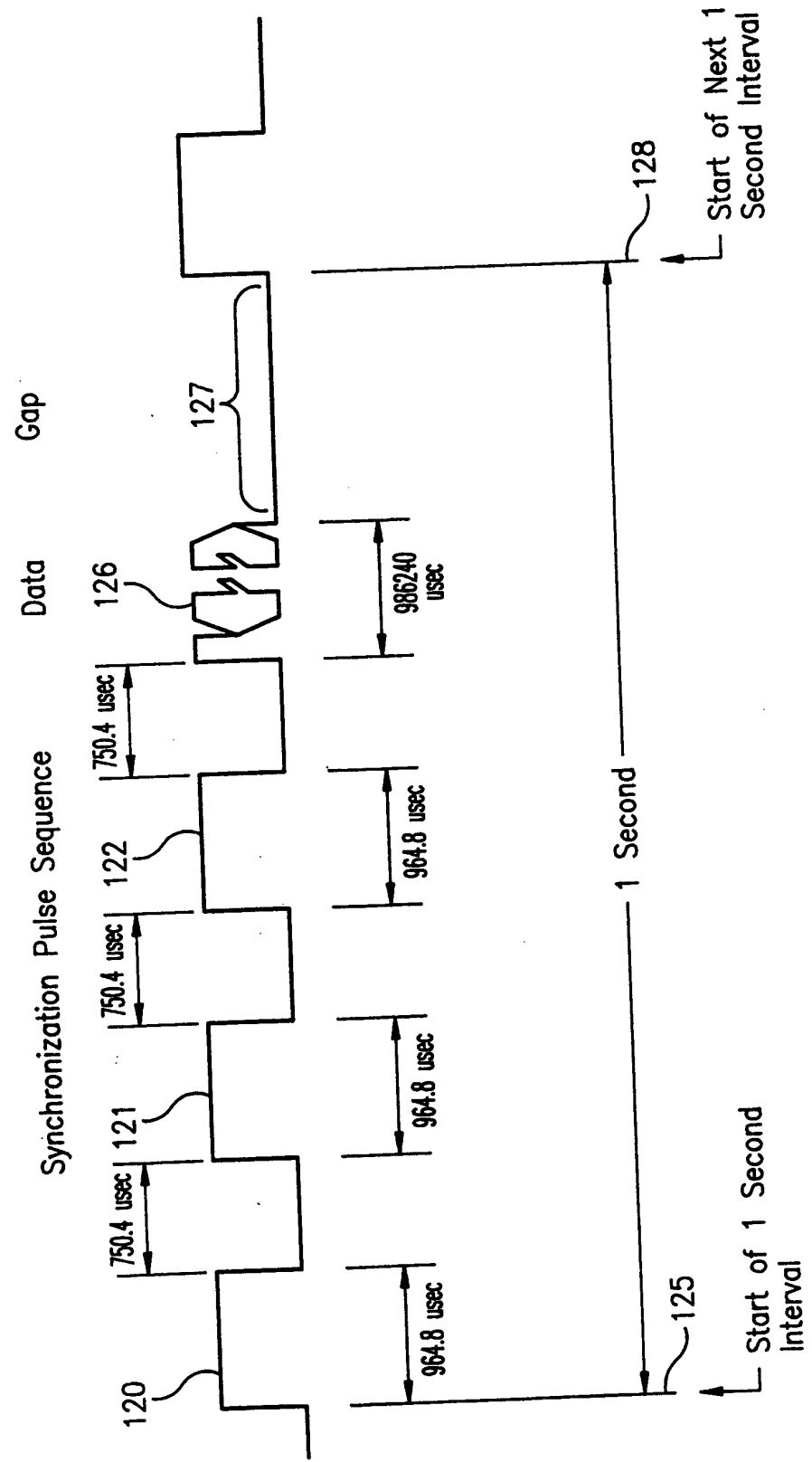


FIG. 14A
Initialization Mode

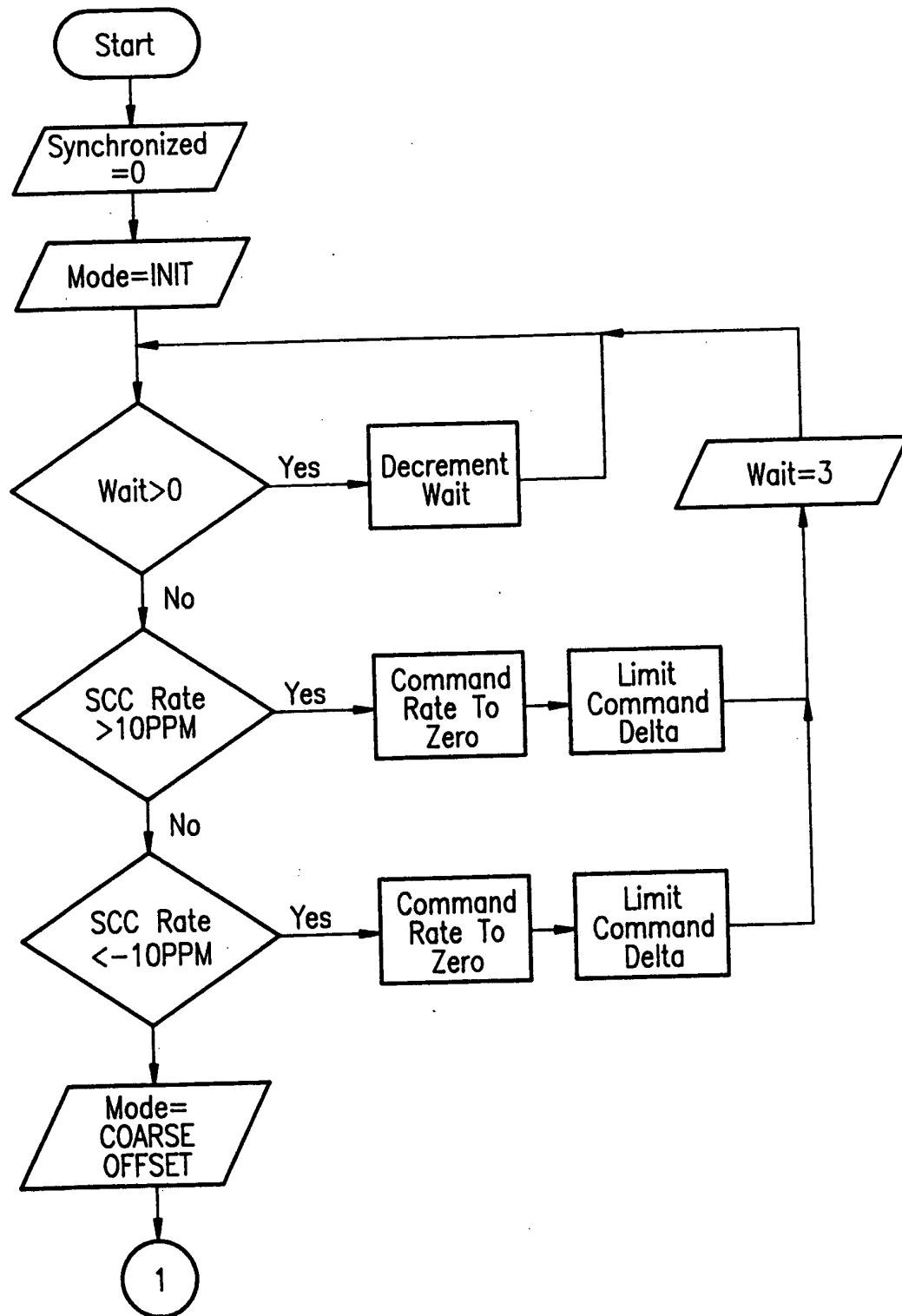
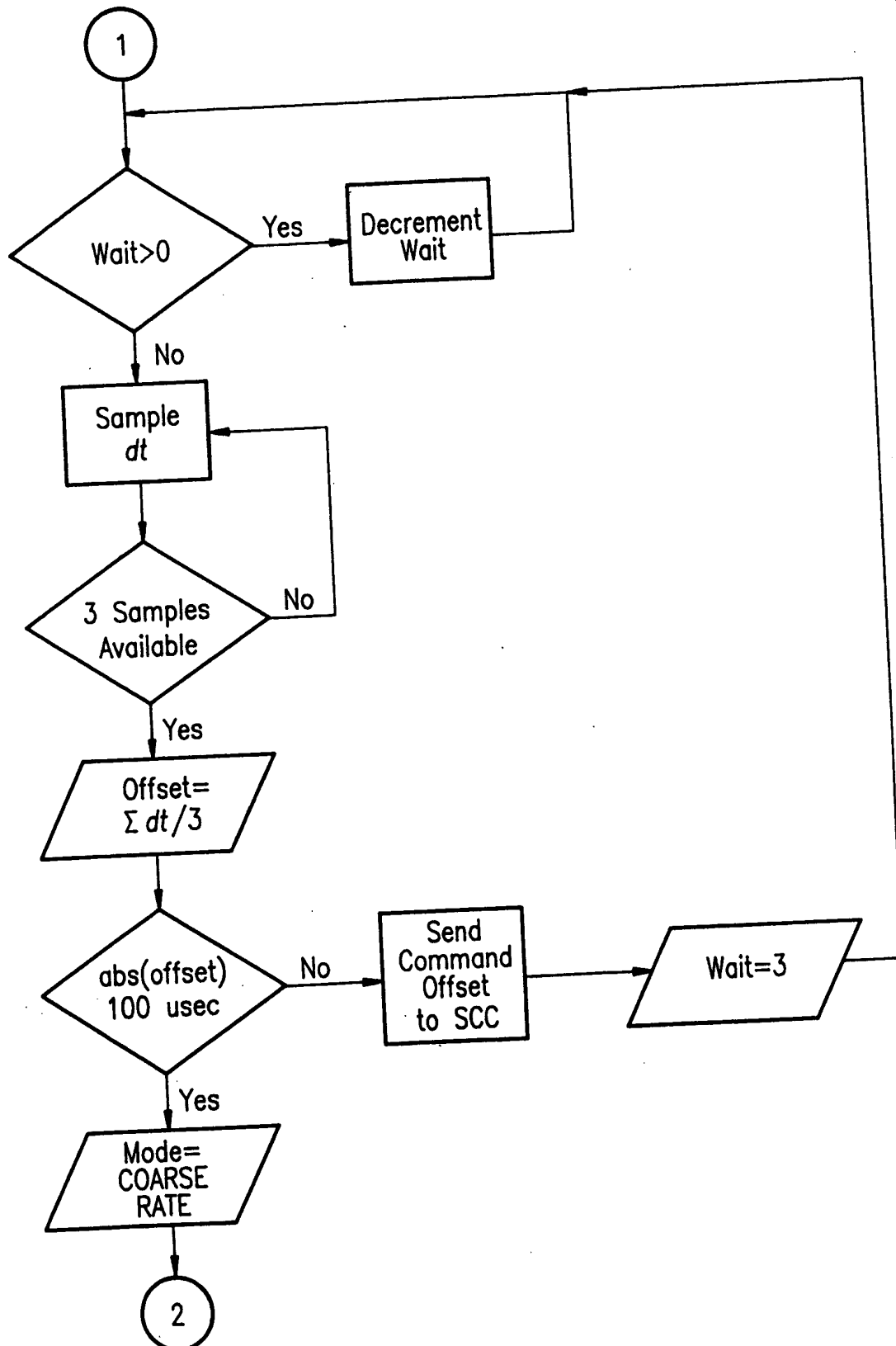


FIG. 14B
Coarse Offset Mode



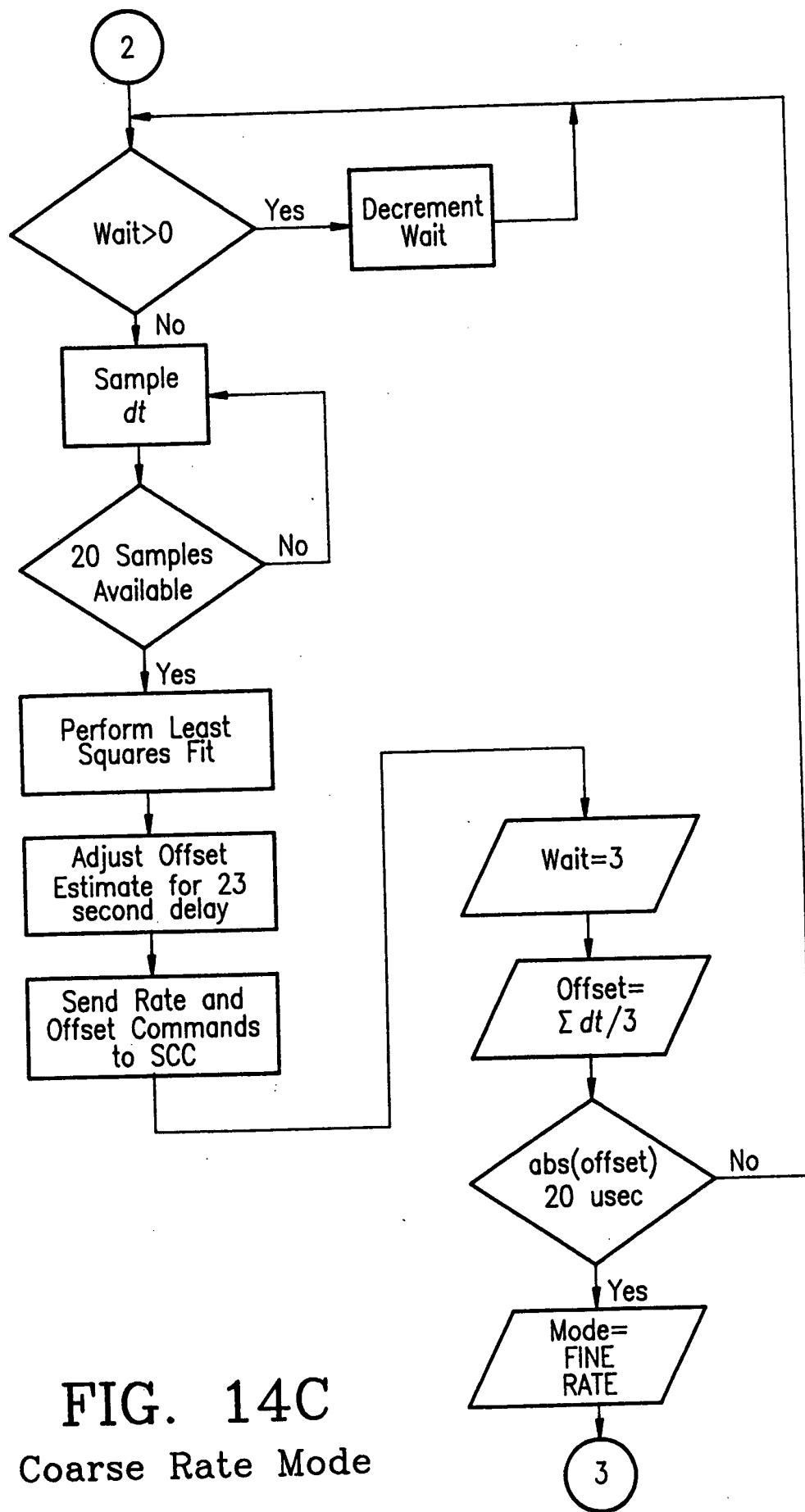


FIG. 14C
Coarse Rate Mode

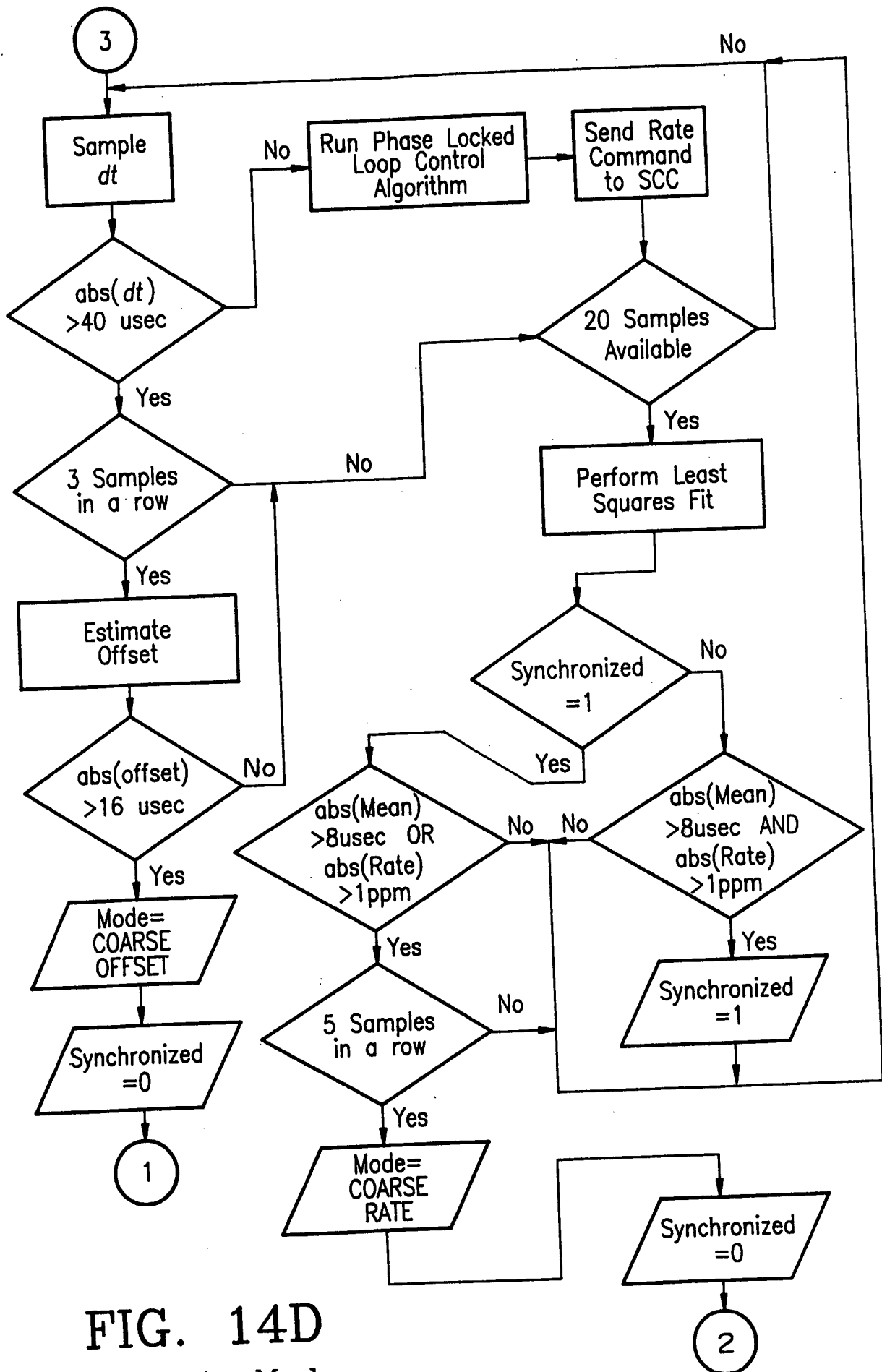


FIG. 14D
Fine Rate Mode

FIG. 23

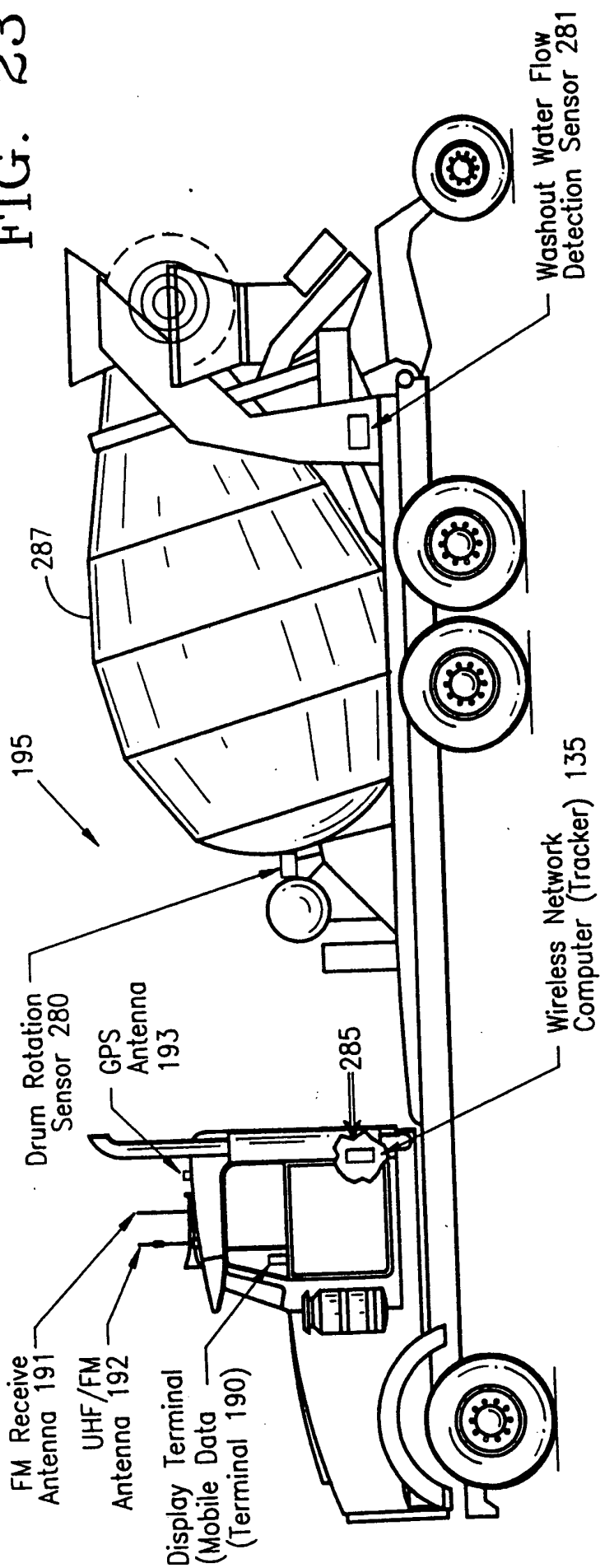
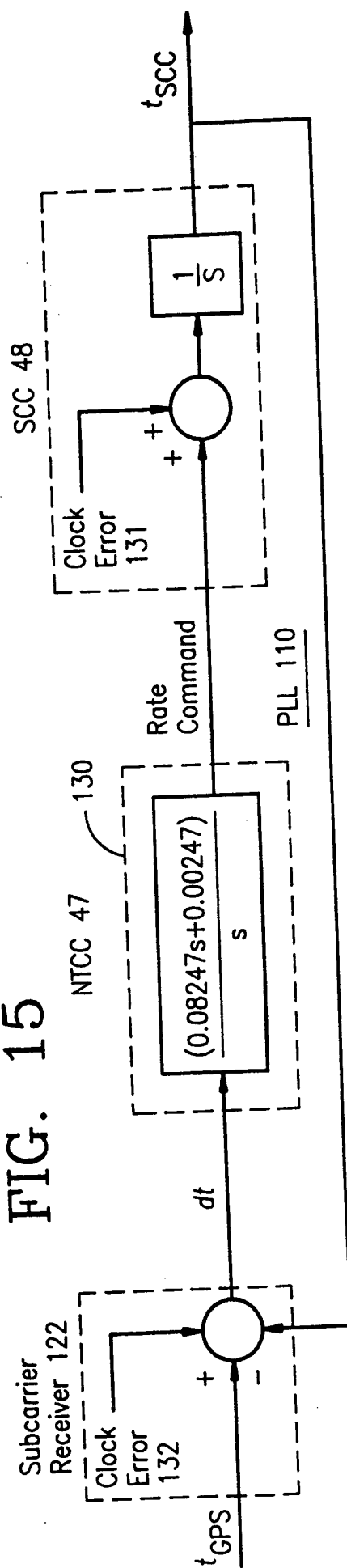


FIG. 15



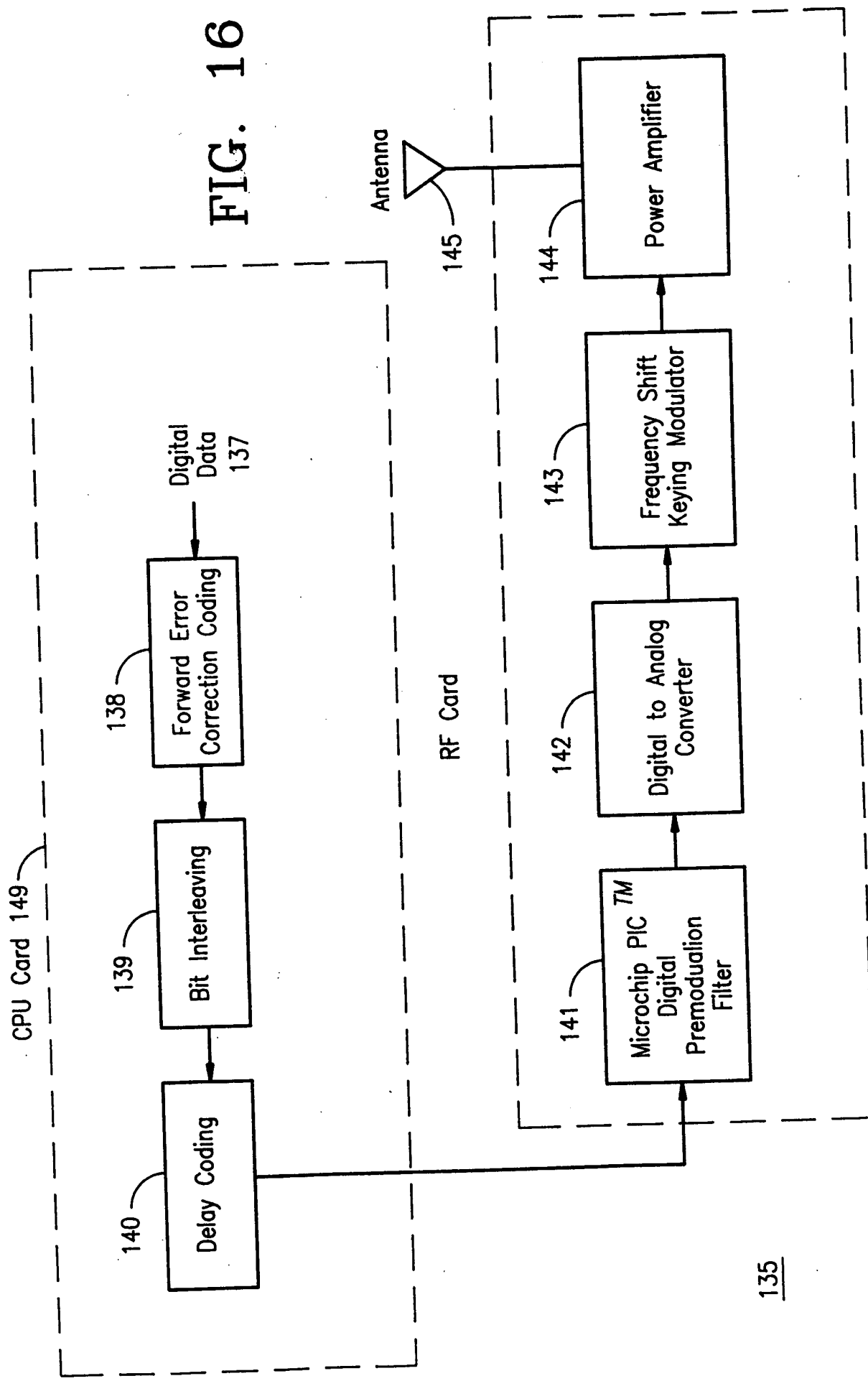


FIG. 16

TDMA Transmit Bit Interleaving		Bits											
Words	11	10	9	8	7	6	5	4	3	2	1	0	
0	1/0 000	2/0 001	3/0 002	4/0 003	5/0 004	6/0 005	7/0 006	8/0 007	9/0 008	10/0 009	11/0 010	0/1 011	
1	2/1 012	3/1 013	4/1 014	5/1 015	6/1 016	7/1 017	8/1 018	9/1 019	10/1 020	11/1 021	0/2 022	1/2 023	
2	3/2 024	4/2 025	5/2 026	6/2 027	7/2 028	8/2 029	9/2 030	10/2 031	11/2 032	0/3 033	1/3 034	2/3 035	
3	4/3 036	5/3 037	6/3 038	7/3 039	8/3 040	9/3 041	10/3 042	11/3 043	0/4 044	1/4 045	2/4 046	3/4 047	
4	5/4 048	6/4 049	7/4 050	8/4 051	9/4 052	10/4 053	11/4 054	0/5 055	1/5 056	2/5 057	3/5 058	4/5 059	
5	6/5 060	7/5 061	8/5 062	9/5 063	10/5 064	11/5 065	0/6 066	1/6 067	2/6 068	3/6 069	4/6 070	5/6 071	
6	7/6 072	8/6 073	9/6 074	10/6 075	11/6 076	0/7 077	1/7 078	2/7 079	3/7 080	4/7 081	5/7 082	6/7 083	
7	8/7 084	9/7 085	10/7 086	11/7 087	0/8 088	1/8 089	2/8 090	3/8 091	4/8 092	5/8 093	6/8 094	7/8 095	
8	9/8 096	10/8 097	11/8 098	0/9 099	1/9 100	2/9 101	3/9 102	4/9 103	5/9 104	6/9 105	7/9 106	8/9 107	
9	10/9 108	11/9 109	0/10 110	1/10 111	2/10 112	3/10 113	4/10 114	5/10 115	6/10 116	7/10 117	8/10 118	9/10 119	
10	11/10 120	0/11 121	1/11 122	2/11 123	3/11 124	4/11 125	5/11 126	6/11 127	7/11 128	8/11 129	9/11 130	10/11 131	
11	0/0 132	1/1 133	2/2 134	3/3 135	4/4 136	5/5 137	6/6 138	7/7 139	8/8 140	9/9 141	10/10 142	11/11 143	

WB indicates bit, B, of the original code word, W.

Words are transmitted MSB first; the small number indicates transmit bit order

FIG. 17

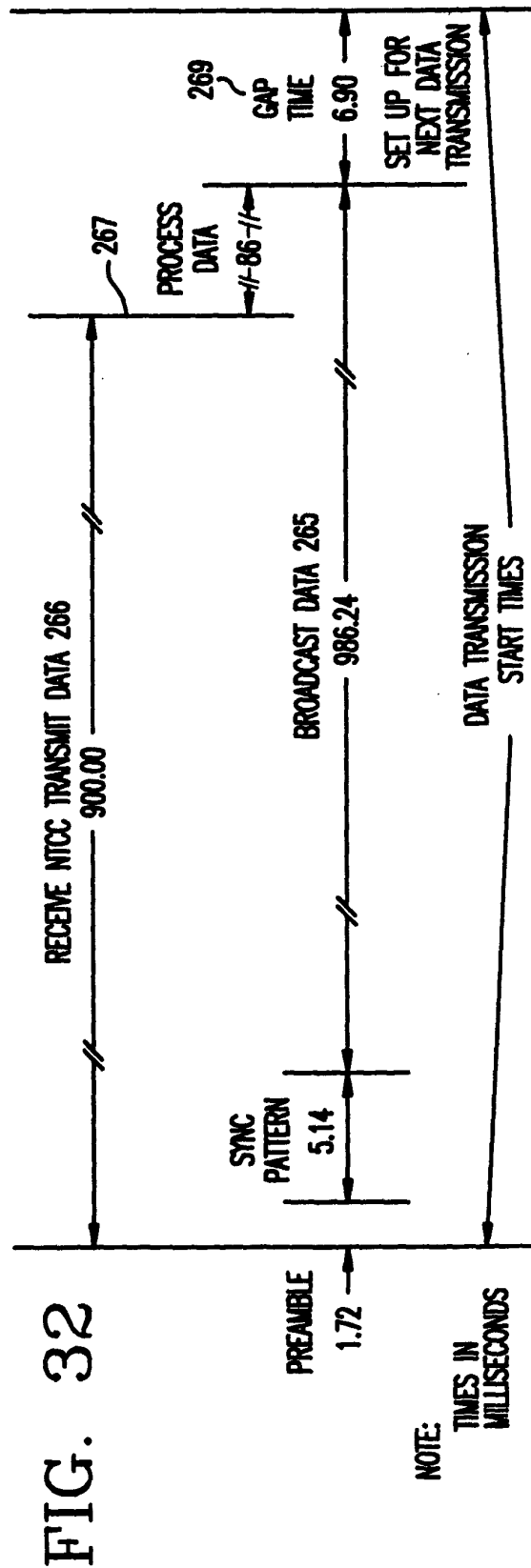


FIG. 32

FIG. 18A

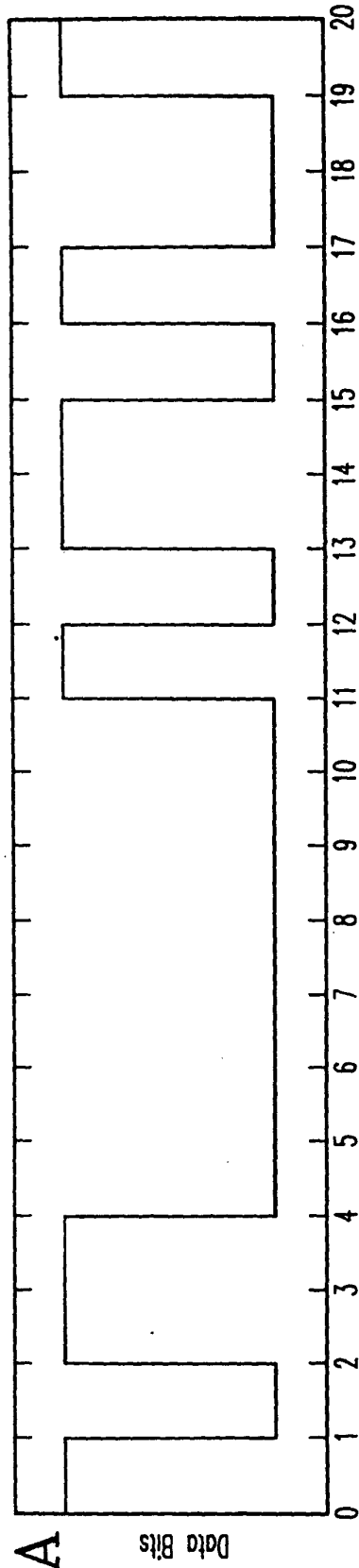


FIG. 18B

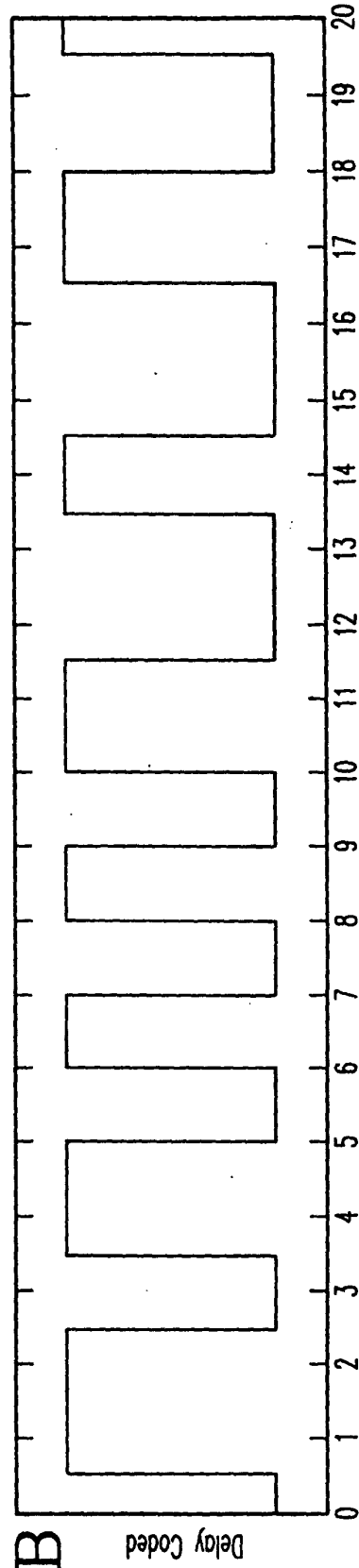
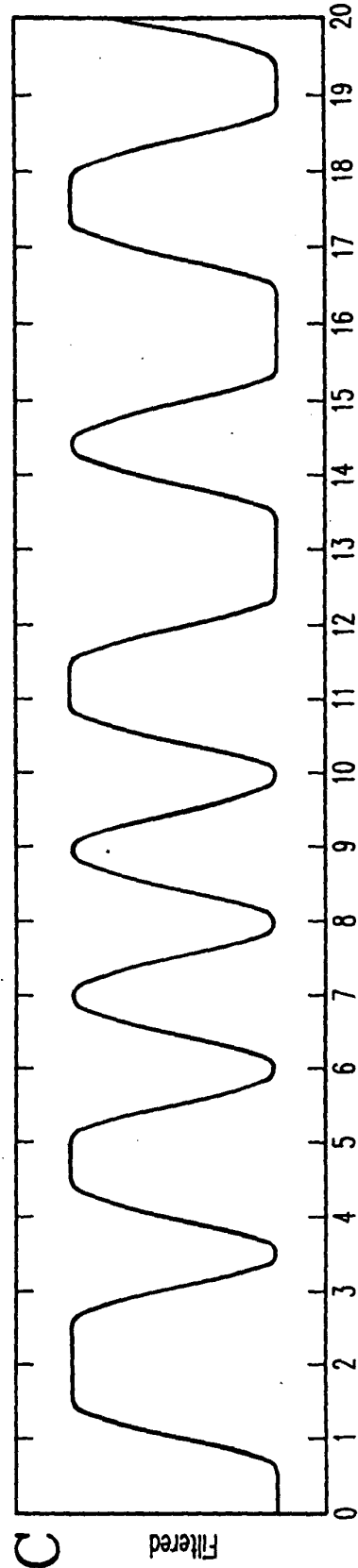


FIG. 18C



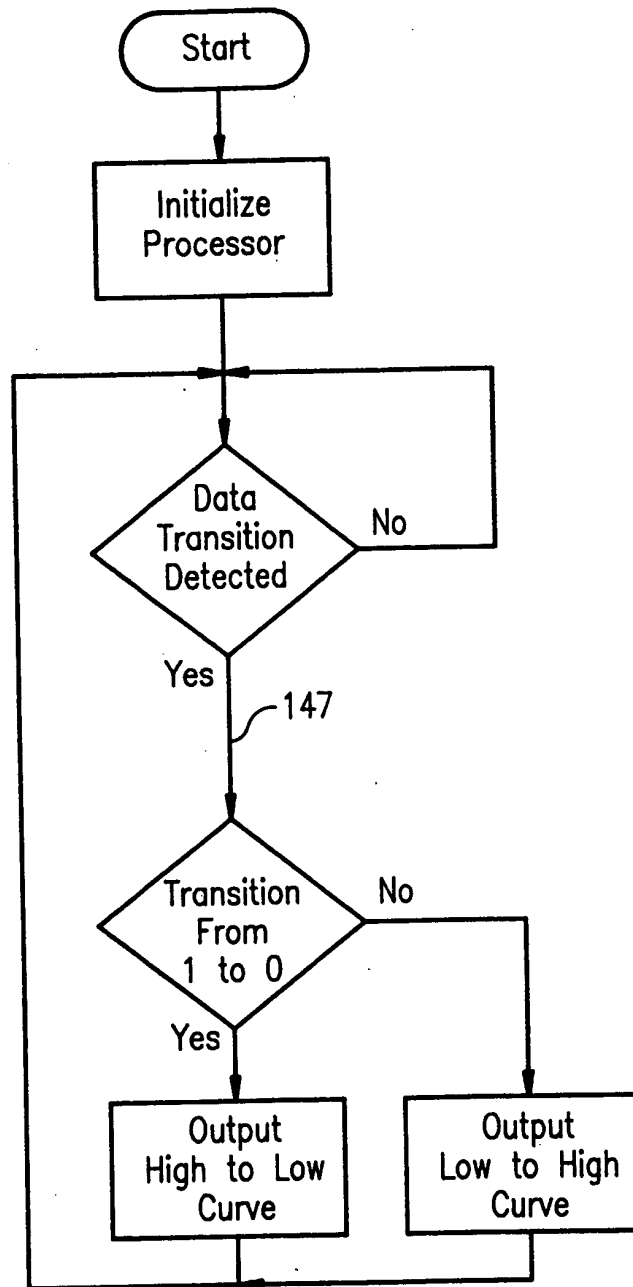


FIG. 19

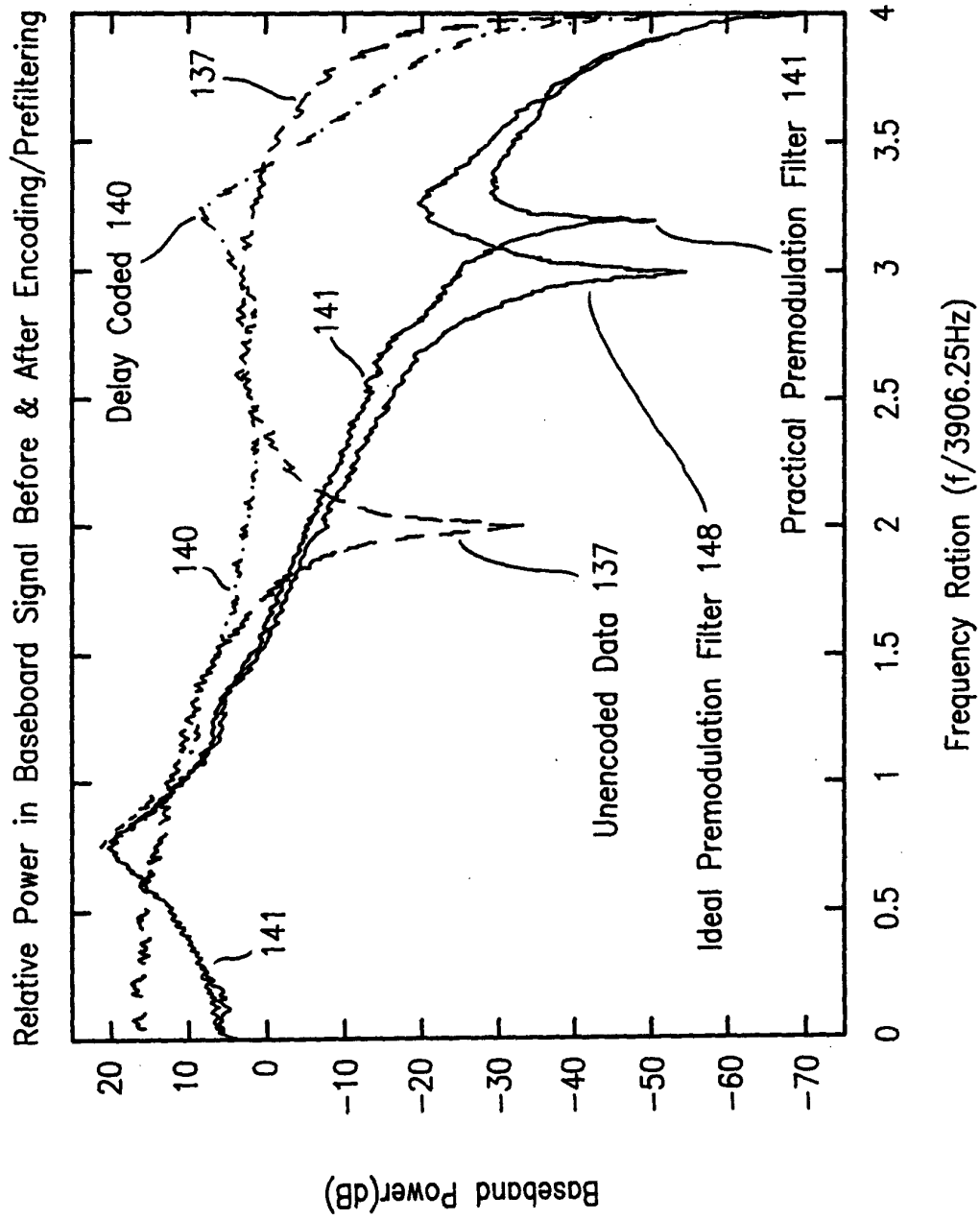


FIG. 20

FIG. 21

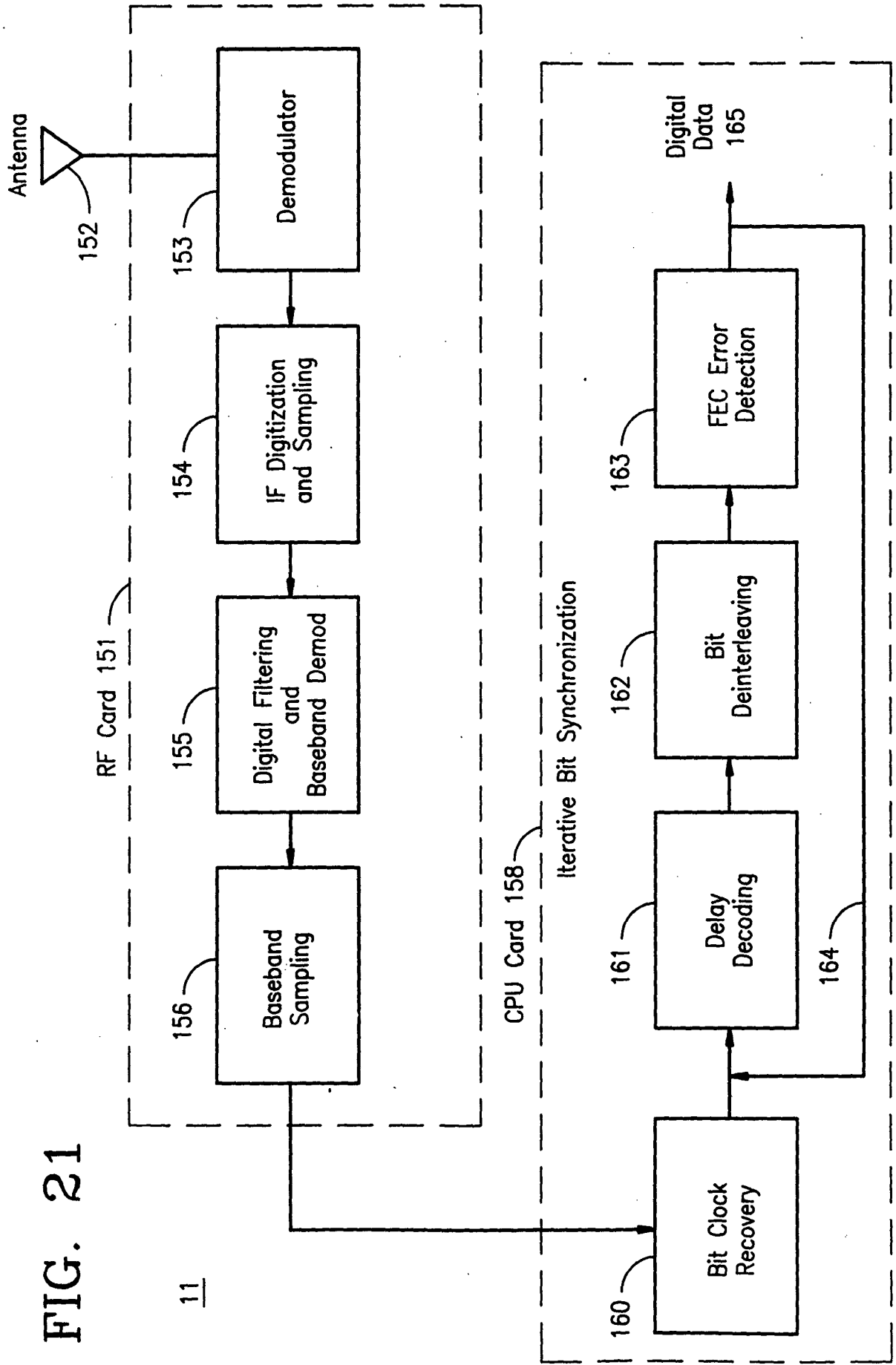


FIG. 22

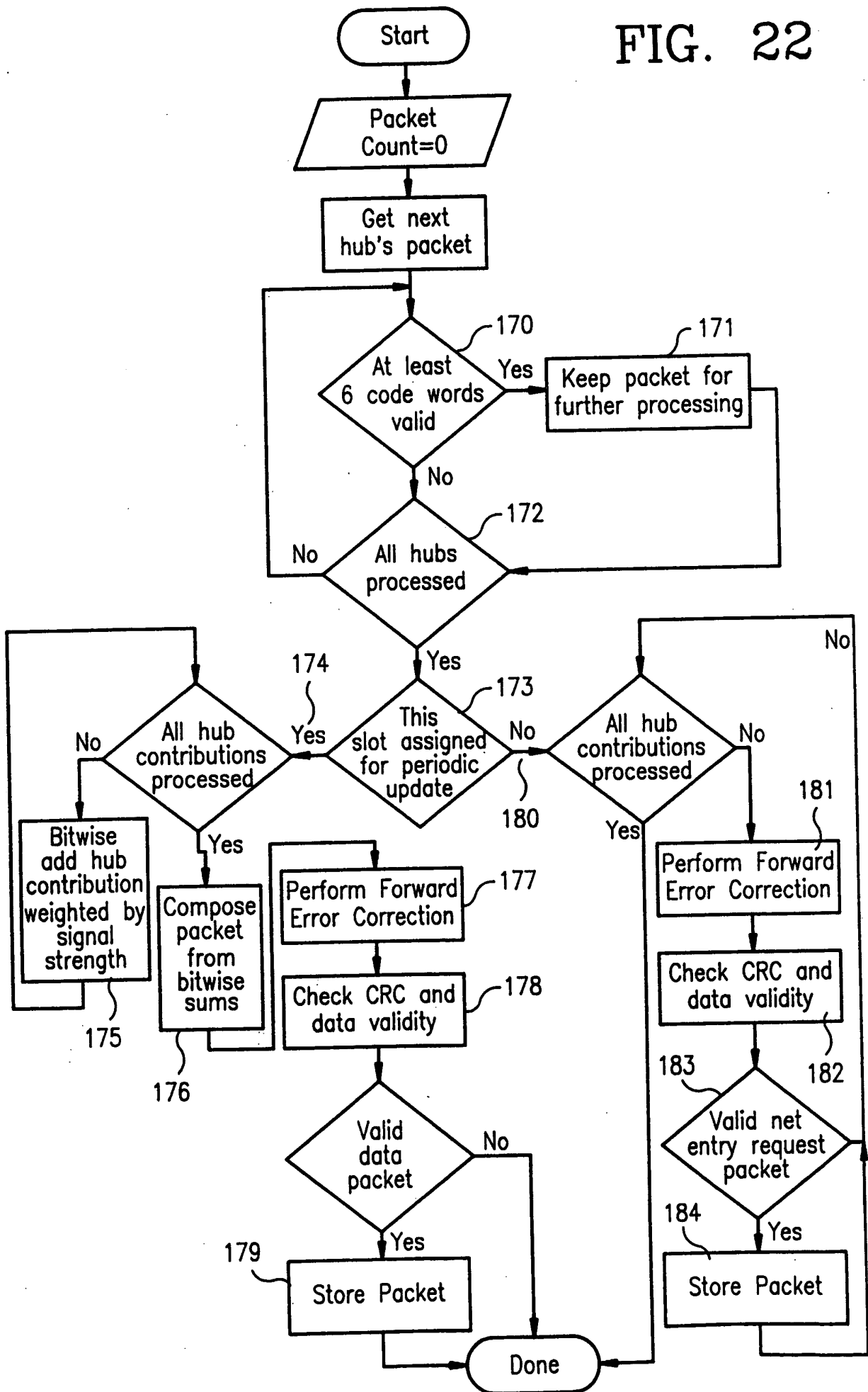
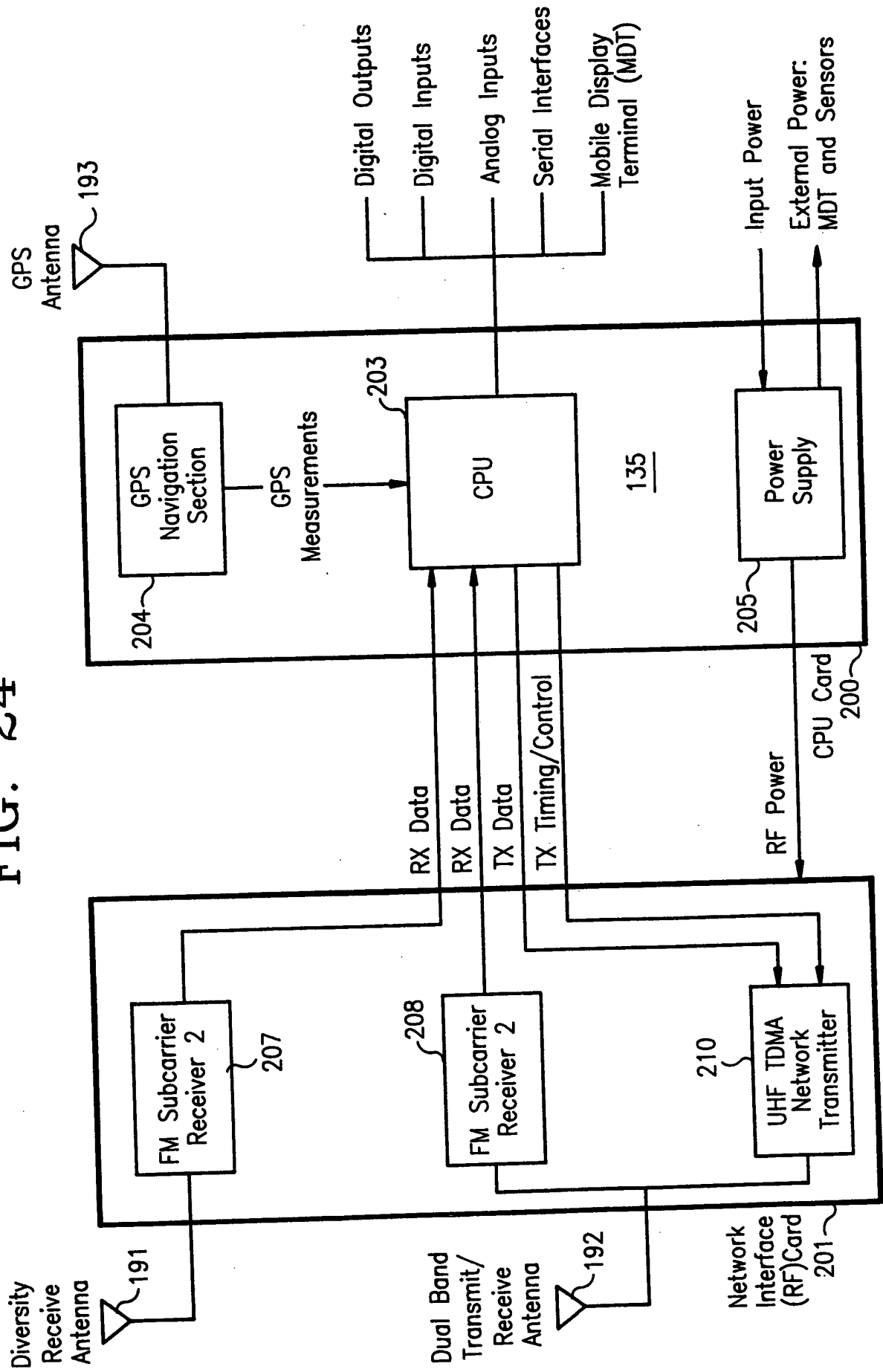


FIG. 24



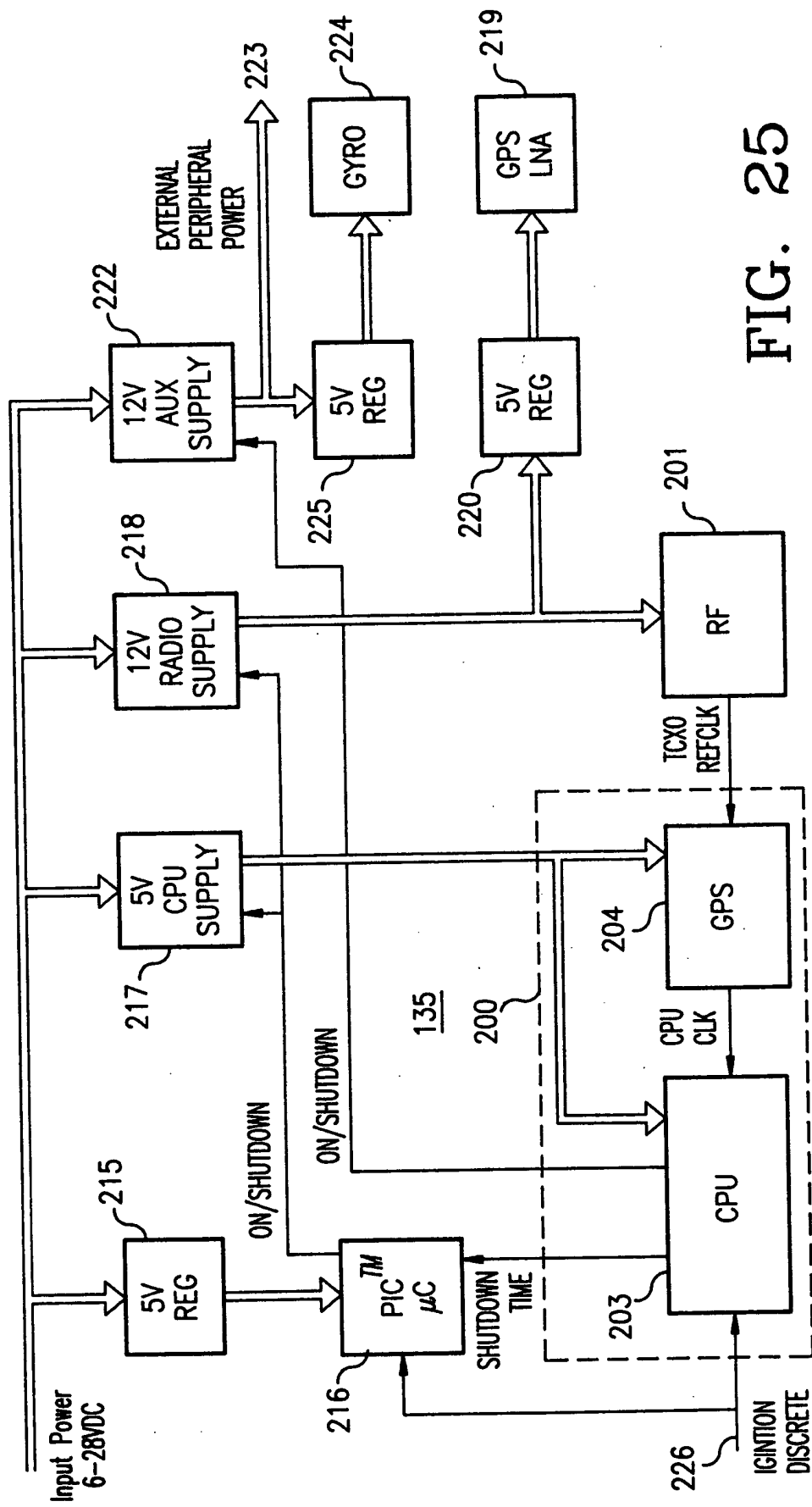


FIG. 25

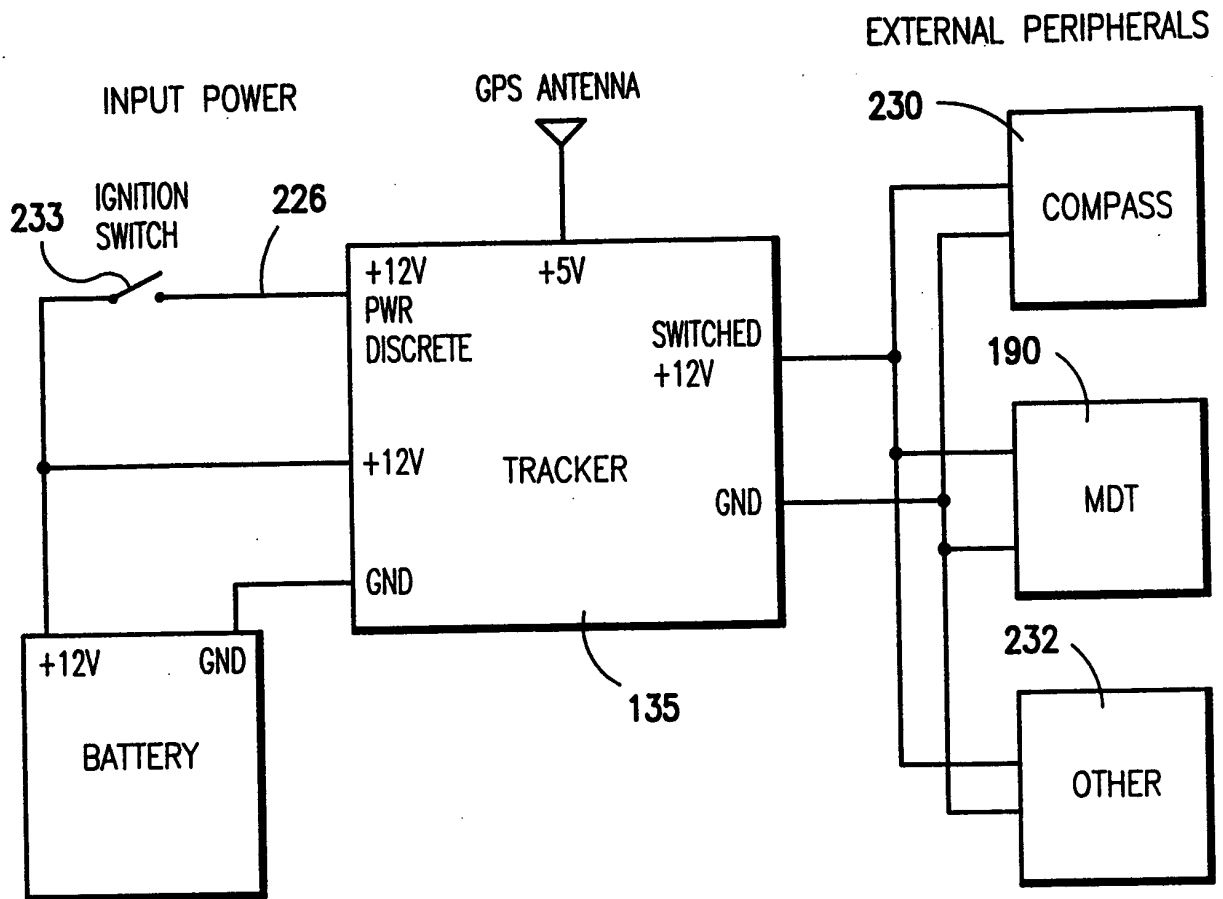


FIG. 26

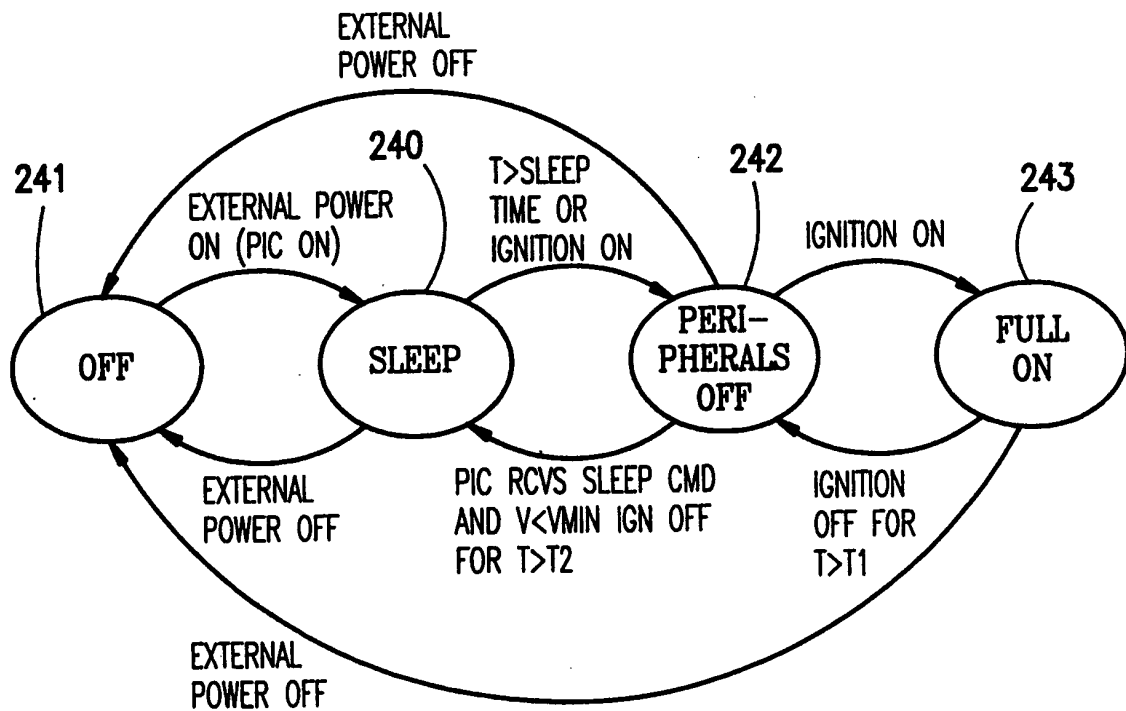


FIG. 27

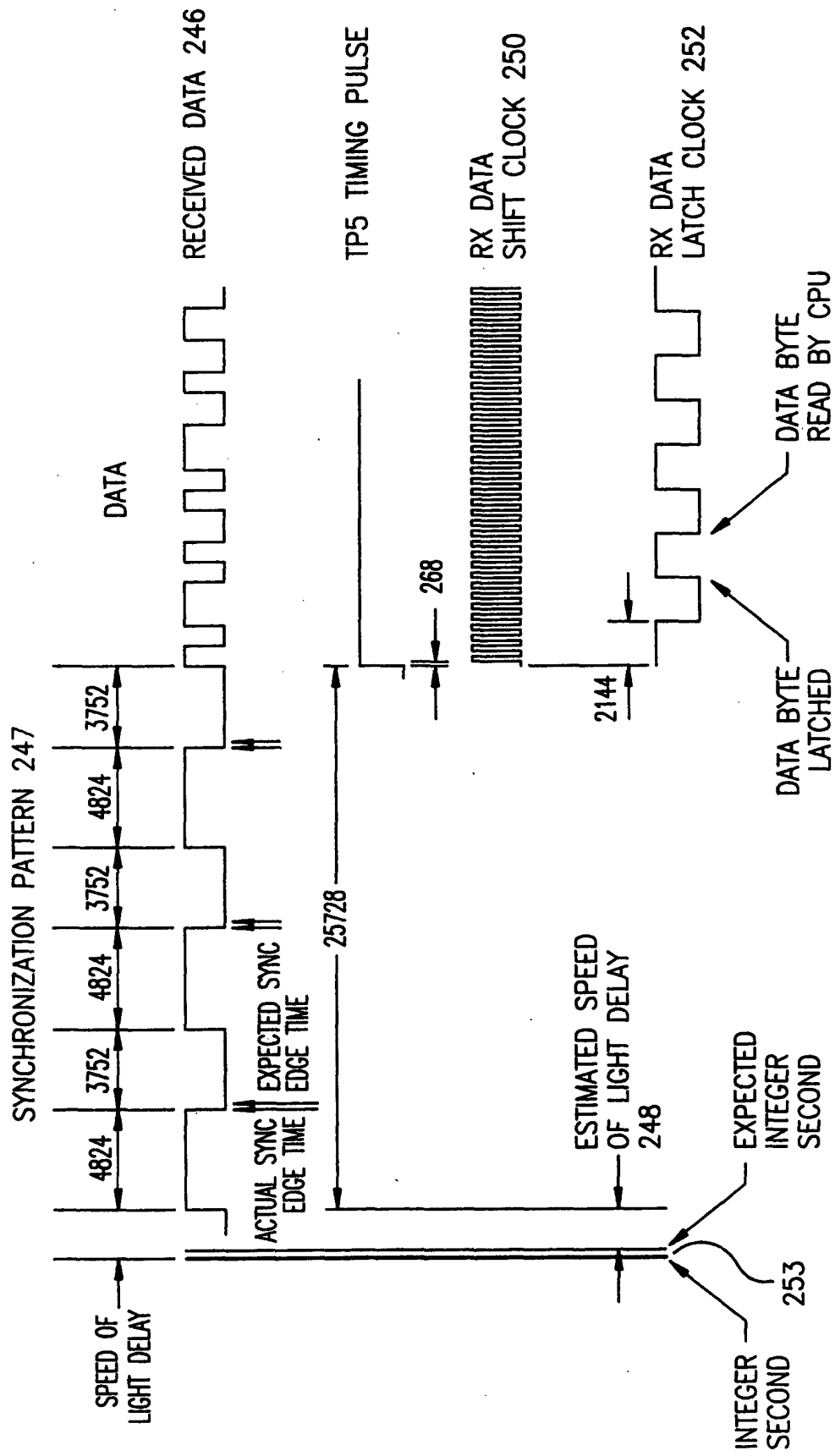
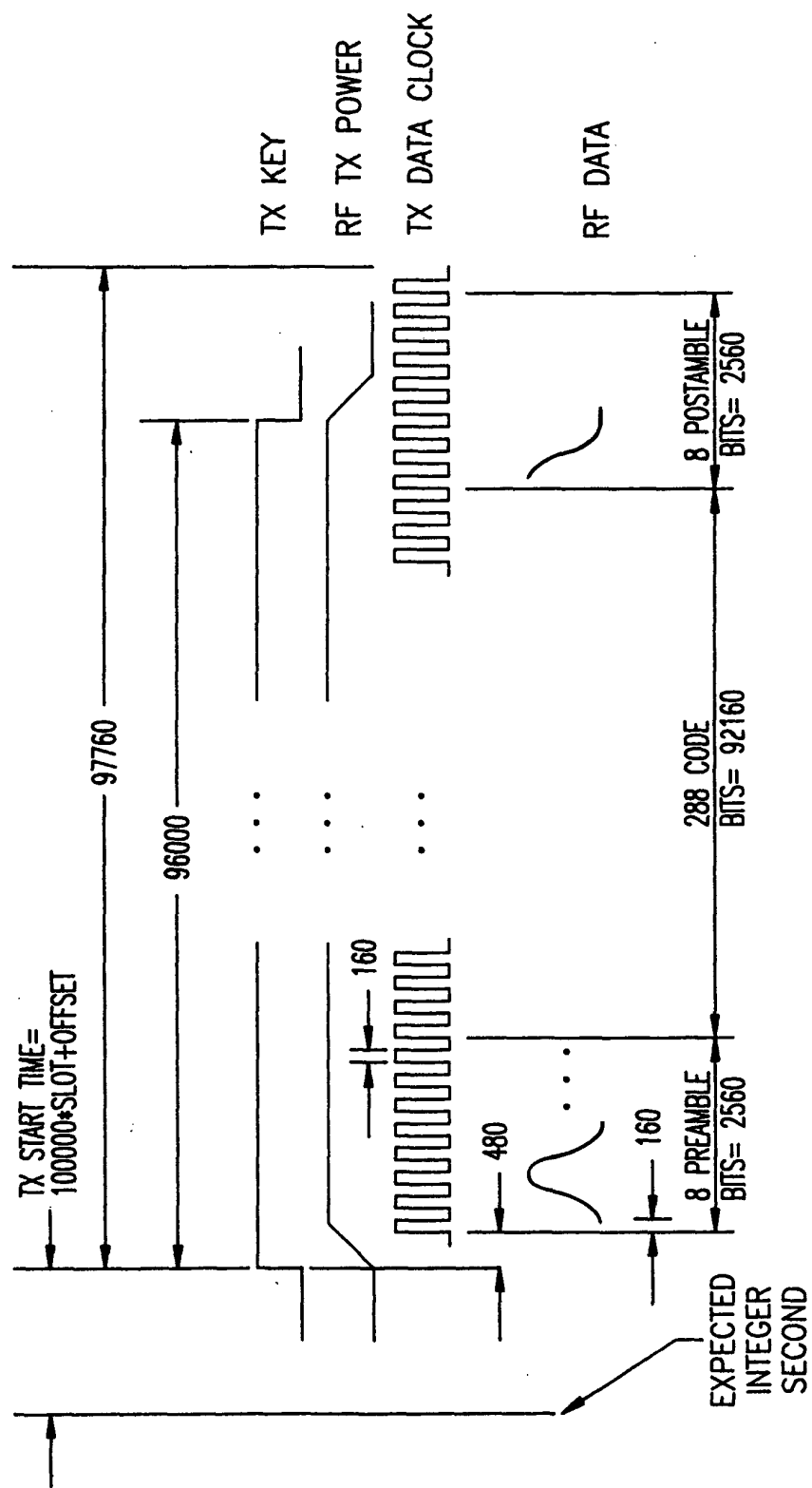


FIG. 28

FIG. 29



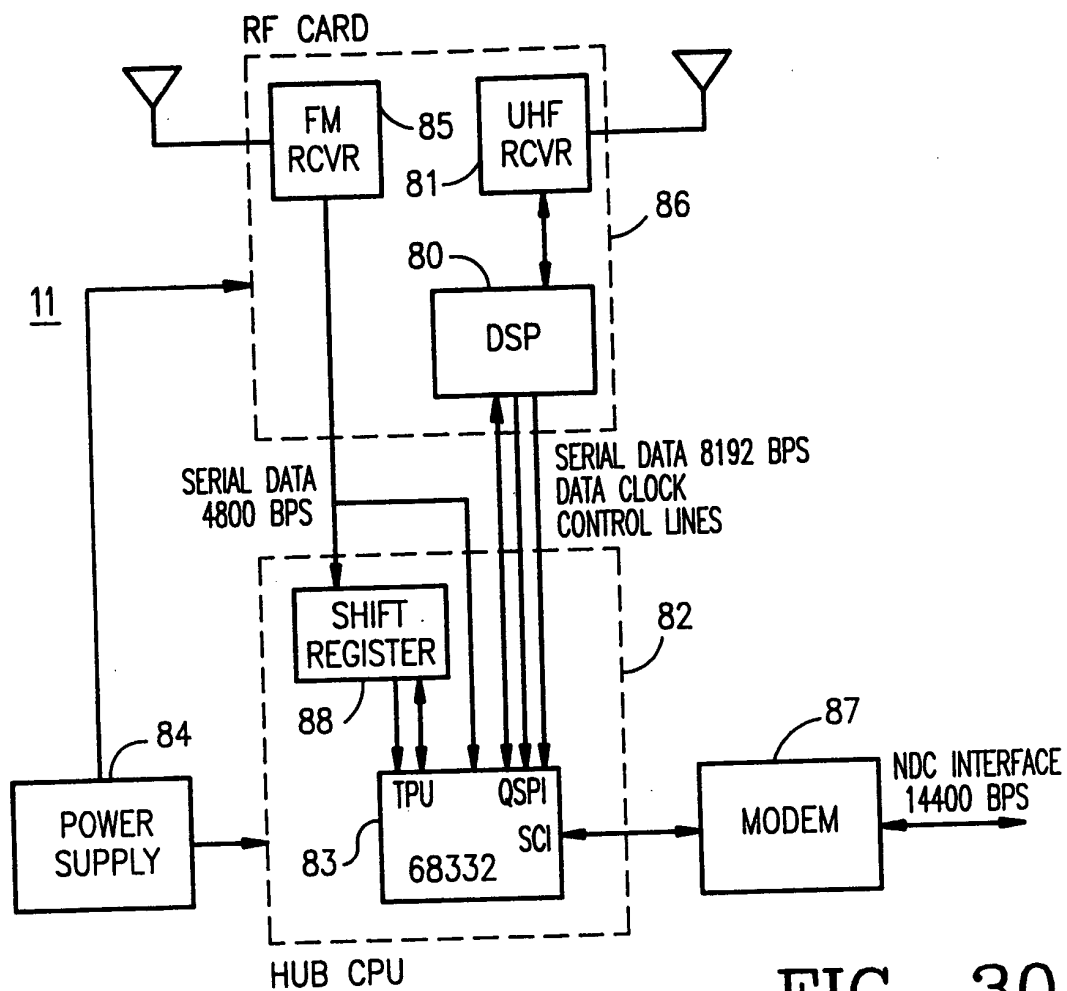


FIG. 30

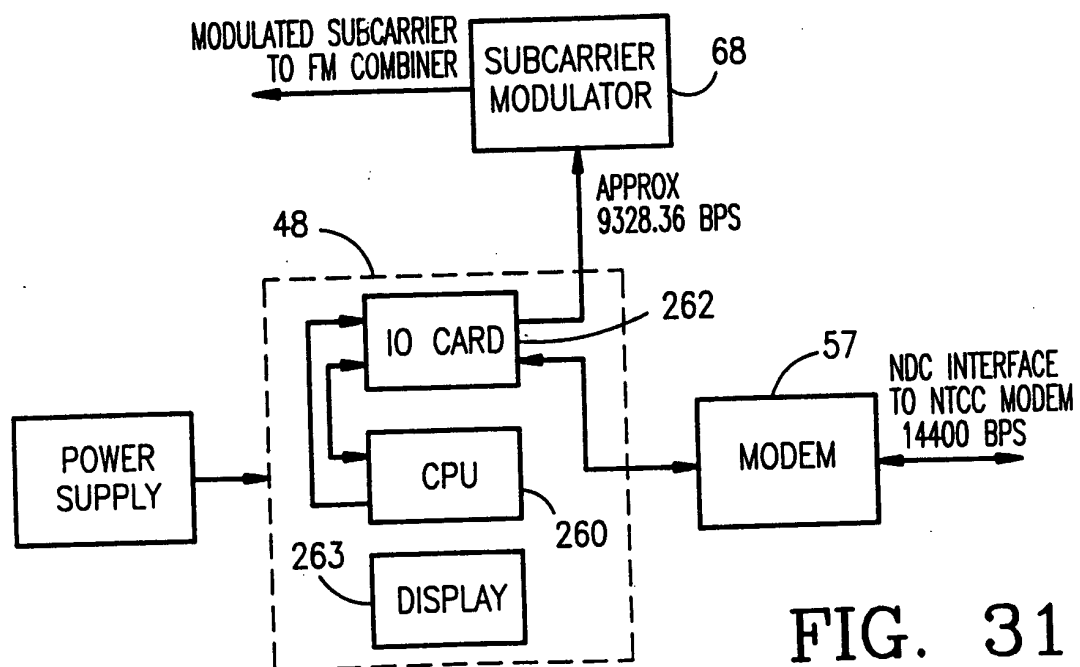


FIG. 31

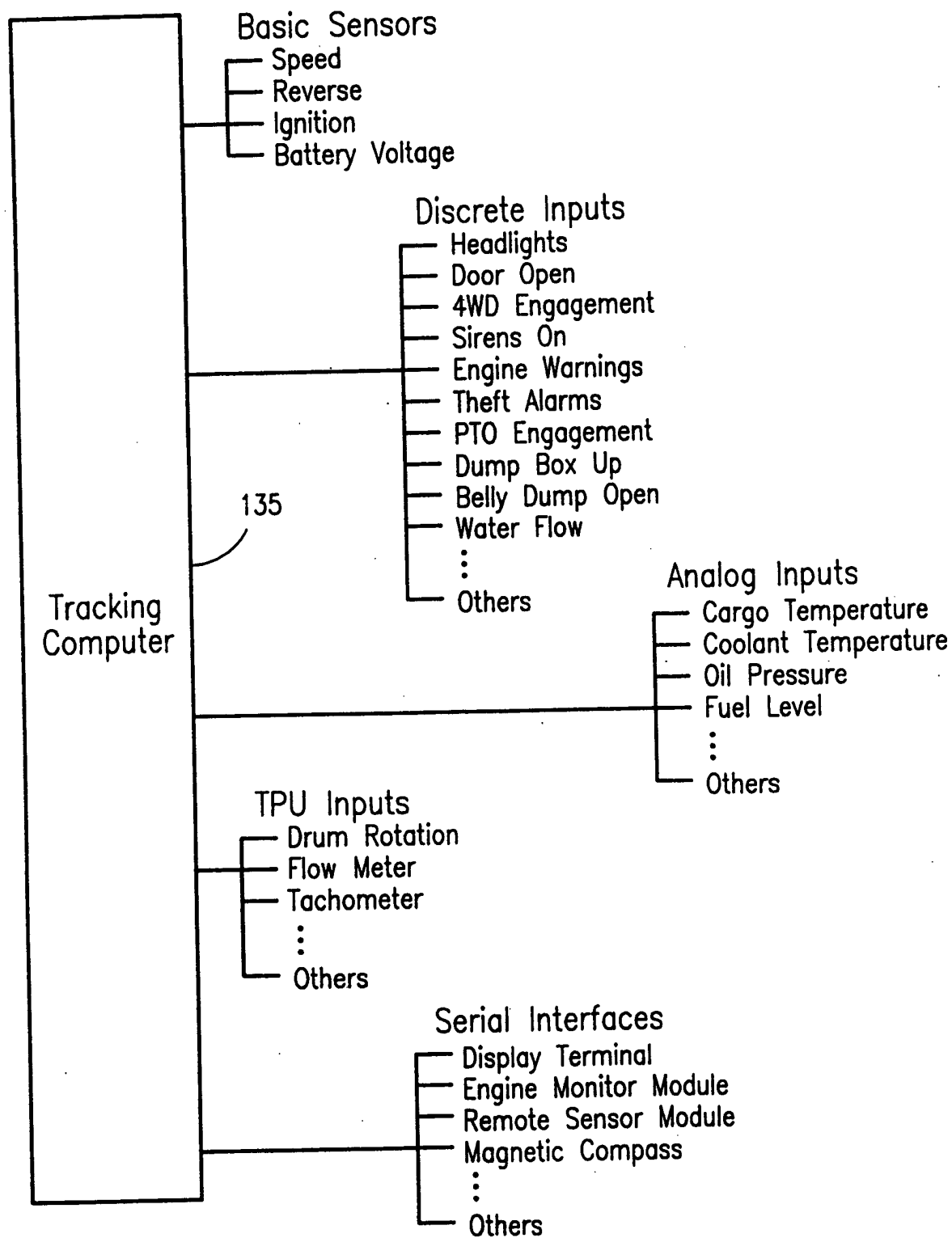
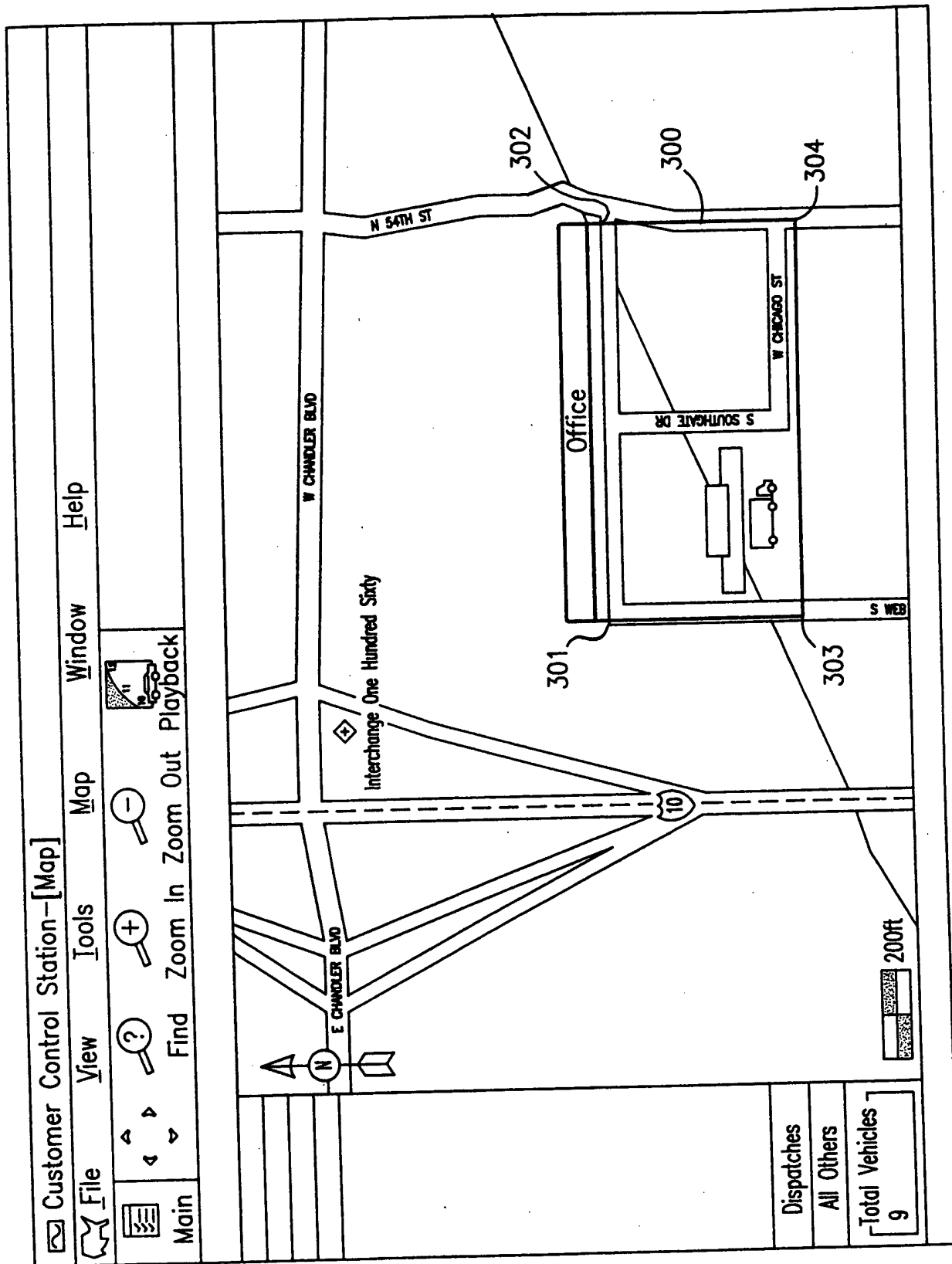


FIG. 33

FIG. 34



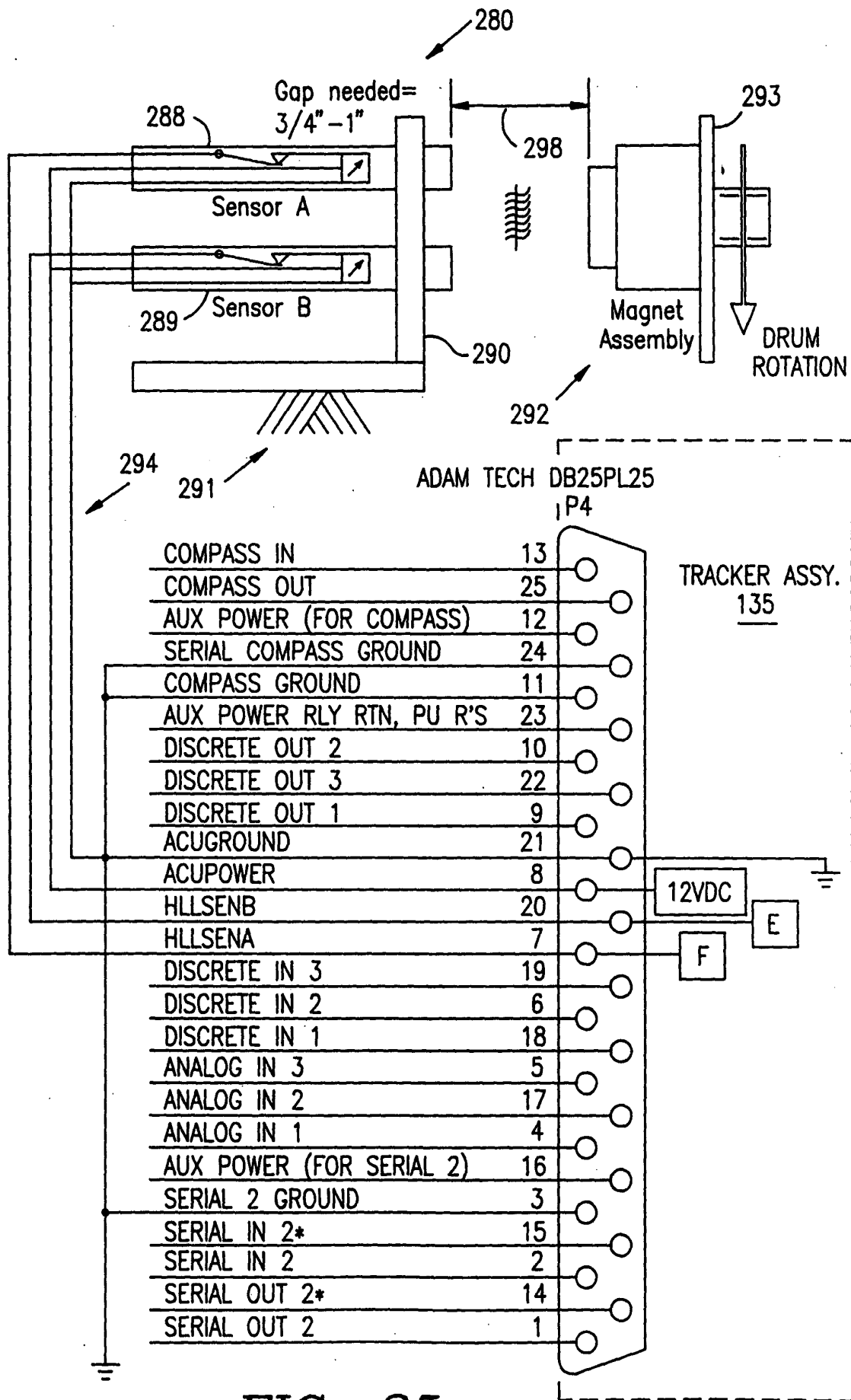


FIG. 35

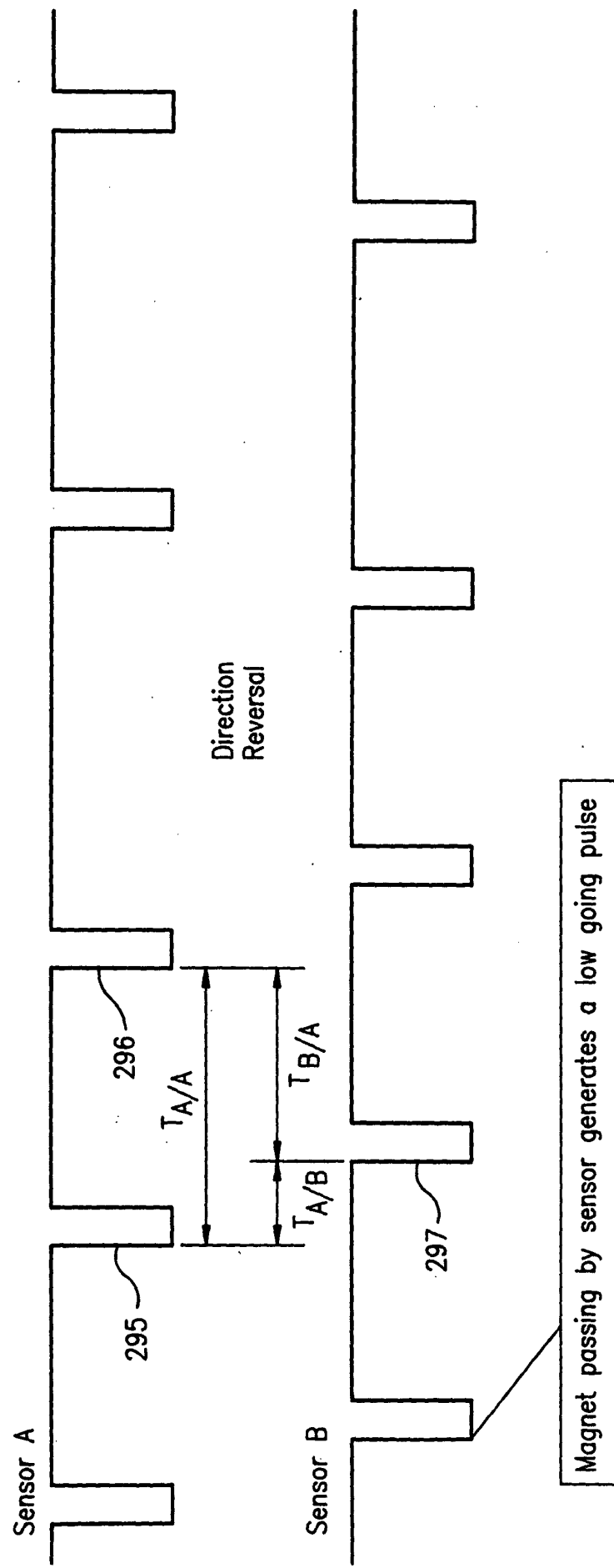


FIG. 36

FIG. 37

The flowchart illustrates a vehicle control system with various states and transitions. The states are represented by circles, and the transitions are labeled with conditions. The system starts at an UNKNOWN state, leading to IGN ON, which then leads to IGN OFF. From IGN OFF, the system transitions to WASH RACK. The WASH RACK state leads to AT PLANT. From AT PLANT, the system can transition to LOADING, LEAVE PLANT, IN ROUTE, ARRIVE JOB, START POUR, POURING, END POUR, WASH, or LEAVE JOB. The LOADING state leads to WASH RACK, which then leads to LOADING. The LEAVE PLANT state leads to IN ROUTE. The IN ROUTE state leads to ARRIVE JOB. The ARRIVE JOB state leads to START POUR. The START POUR state leads to POURING. The POURING state leads to END POUR. The END POUR state leads to WASH. The WASH state leads to LEAVE JOB. The LEAVE JOB state leads to AT PLANT. The transitions are labeled with conditions such as GPS=PLANT, SPEED<15, IGN ON, WASH RACK, SPEED<2, DRUM=F CHRG, GPS t=PLANT, DRUM=DISCHARGE, GPS=JOB BOX, DRUM=DISCHARGE, GPS=PLANT, SPEED>30, WATER>120, GPS=PLANT, SPEED>30, WATER>60, and DRUM=FAST DISCHARGE.

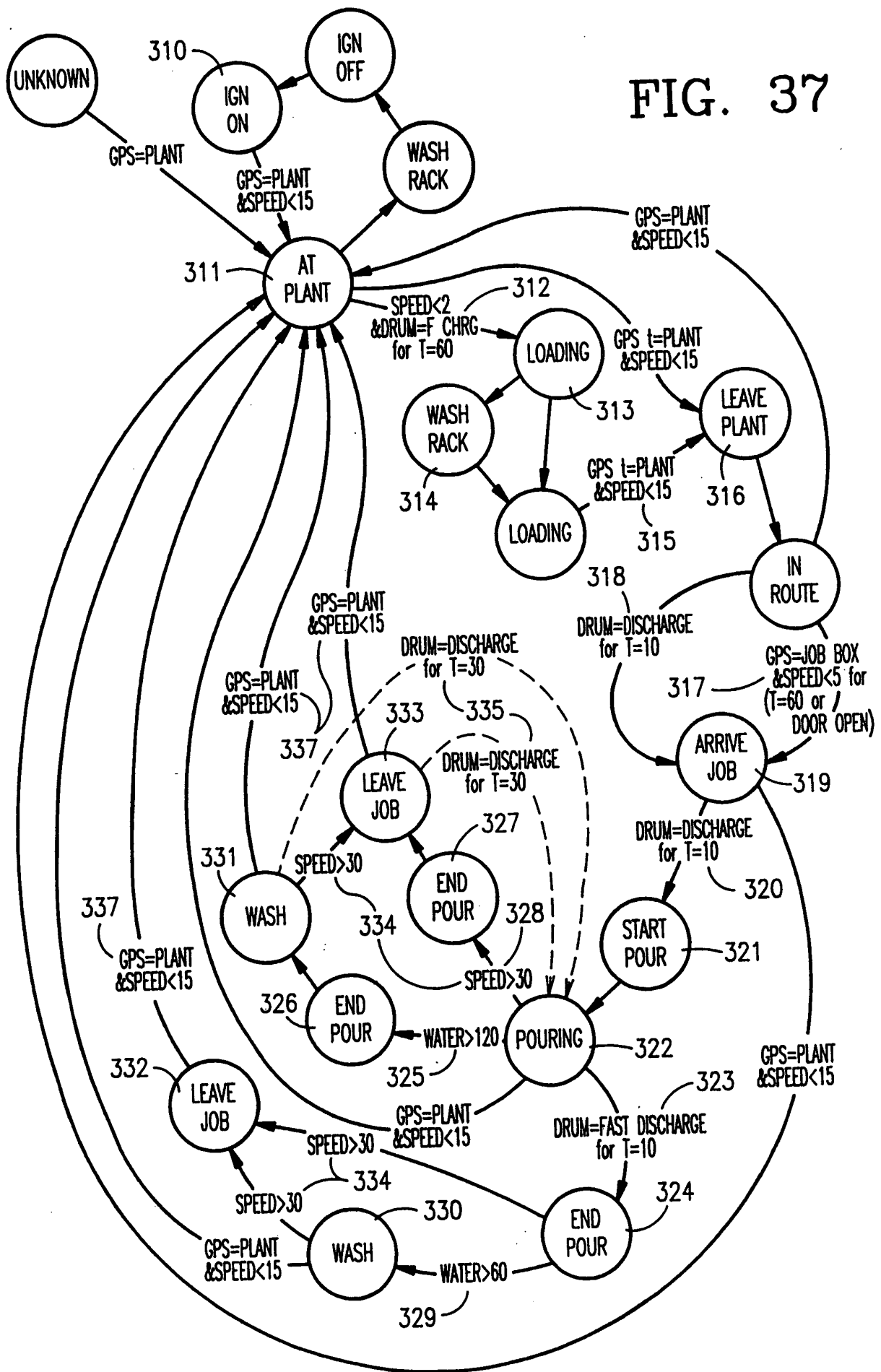


FIG. 38

